abcam

Product datasheet

Anti-Brachyury / Bry antibody [EPR18113] ab209665

リコンビナント RabMAb

★★★★★ 8 Abreviews 26 References 画像数 12

製品の概要

製品名	Anti-Brachyury / Bry antibody [EPR18113]
製品の詳細	Rabbit monoclonal [EPR18113] to Brachyury / Bry
由来種	Rabbit
アプリケーション	**適用あり:** Flow Cyt (Intra), IHC - Wholemount, ICC/IF, IP, WB, IHC-P
種交差性	**交差種:** Mouse, Rat, Human **交差が予測される動物種:** Non human primates, Common marmoset
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	IHC-P: Human chordoma tissue, Mouse E14.5 embryo tissue, Rat E14.5 embryo Tissue Flow Cyt (intra): MUG-Chor1 cells; ICC/IF: MUG-Chor1 cells; IP: MUG-Chor1 cell lysate; WB: MUG-Chor1 cell lysate.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol, 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名	EPR18113
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab209665の使用に適用されます

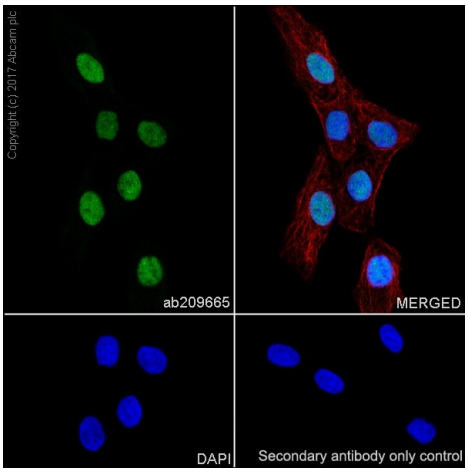
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/400.
IHC - Wholemount	★★★★★ (1)	1/100.
ICC/IF	★★★★☆ (5)	1/1000.
IP		1/1000.
WB	★★★★★ (2)	1/1000. Predicted molecular weight: 47 kDa.
IHC-P		1/8000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

ターゲット情報

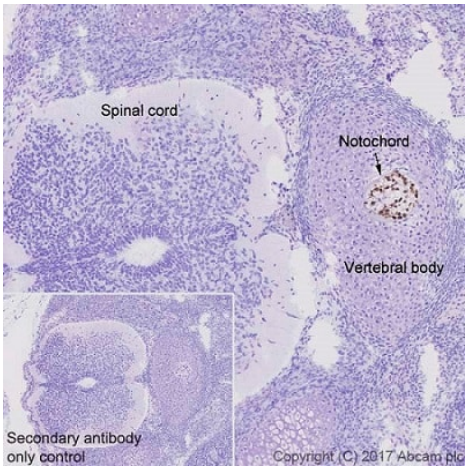
機能	Involved in the transcriptional regulation of genes required for mesoderm formation and differentiation. Binds to a palindromic site (called T site) and activates gene transcription when bound to such a site.
関連疾患	Genetic variations in T are associated with susceptibility to neural tube defects (NTD) [MIM:182940]. NTD are common congenital malformations. Spina bifida, which results from malformations in the caudal region of the neural tube, is compatible with life but associated with significant morbidity, including lower limb paralysis. T is involved in susceptibility to the development of chordoma (CHDM) [MIM:215400]. Chordomas are rare, clinically malignant tumors derived from notochordal remnants. They occur along the length of the spinal axis, predominantly in the sphenooccipital, vertebral and sacrococcygeal regions. They are characterized by slow growth, local destruction of bone, extension into adjacent soft tissues and rarely, distant metastatic spread. Note=Susceptibility to development of chordomas is due to a T gene duplication.
配列類似性	Contains 1 T-box DNA-binding domain.
細胞内局在	Nucleus.

画像



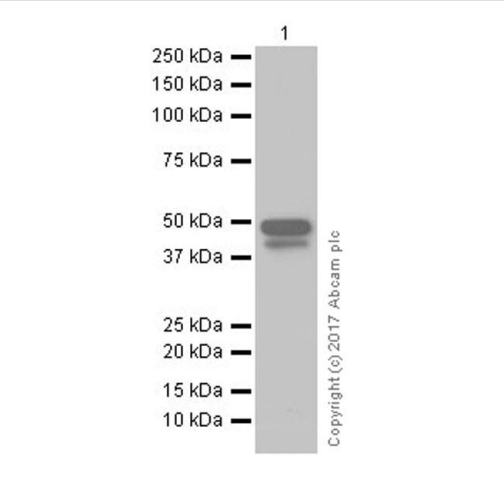
Immunocytochemistry/ Immunofluorescence - Anti-Brachyury / Bry antibody [EPR18113] (ab209665)

Ab209665 staining Brachyury/Bry in MUG-Chor1 (human sacral bone chordoma) cells by ICC/IF (Immunocytochemistry/Immunofluorescence). Cells were fixed 4% paraformaldehyde and permeabilized with 0.1% tritonX-100. Samples were incubated with primary antibody at a 1/1000 dilution. An AlexaFluor®488 Goat anti-Rabbit (**ab150077**) was used as the secondary antibody at a 1/1000 dilution. An Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) (**ab195889**) was used as a counterstain antibody. DAPI was used as nuclear counterstain. Nuclear staining on MUG-Chor1 cells.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Brachyury / Bry antibody [EPR18113] (ab209665)

ab209665 staining Brachyury/Bry in mouse E14.5 embryo tissue sections by Immunohistochemistry (IHC-P). Tissue was fixed paraffin and antigen retrieval was performed by heat mediation using **ab93684** (Tris/EDTA buffer, pH 9.0). Samples were incubated with primary antibody at a 1/4000 dilution. A ready to use Goat anti-rabbit IgG H&L (HRP) was used as the secondary antibody. Hematoxylin was used as a counter-stain. Nuclear staining on notochord of mouse E14.5 embryo.



Western blot - Anti-Brachyury / Bry antibody [EPR18113] (ab209665)

Anti-Brachyury / Bry antibody [EPR18113] (ab209665) at 1/1000 dilution + MUG-Chor1 (human sacral bone chordoma), whole cell lysate at 10 µg

Secondary

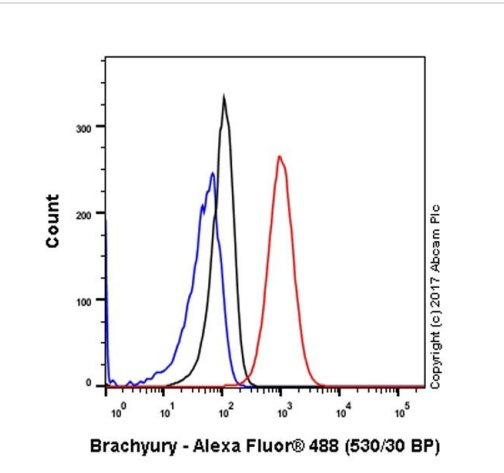
Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 47 kDa

Observed band size: 43,49 kDa

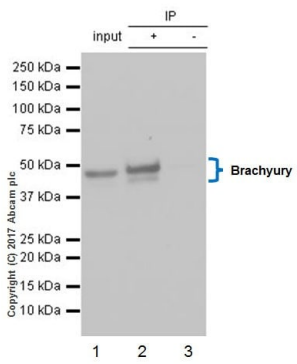
Exposure time: 5 seconds

Blocking and diluting buffer: 5% NFDM/TBST



Flow Cytometry (Intracellular) - Anti-Brachyury / Bry antibody [EPR18113] (ab209665)

Ab209665 staining Brachyury/Bry in MUG-Chor1 (Human sacral bone chordoma) cell line by intracellular flow cytometry. Cells were fixed with 4% paraformaldehyde and 90% methanol. Sample was incubated with primary antibody at 1/400 dilution (red). A Goat anti-rabbit IgG (Alexa Fluor® 488, **ab150077**) at 1/2000 dilution. Rabbit monoclonal IgG (**ab172730**) (Black) was used as an isotype control. Cell without incubation with primary antibody and secondary antibody (Blue).



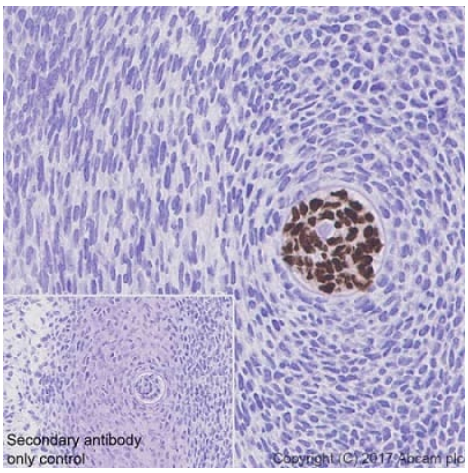
Immunoprecipitation - Anti-Brachyury / Bry antibody [EPR18113] (ab209665)

Lane 1 (input): MUG-Chor1 (human sacral bone chordoma) whole cell lysate, 10 µg

Lane 2 (+): MUG-Chor1 whole cell lysate

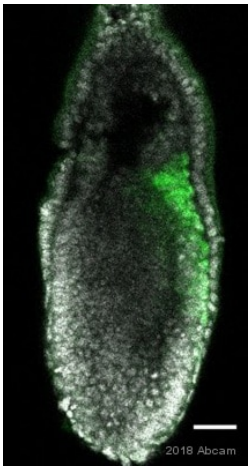
Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab209665 in MUG-Chor1 whole cell lysate

Ab209665 immunoprecipitating Brachyury/Bry in MUG-Chor1 lysates. For western blotting, primary antibody used was ab209665 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/10,000 dilution. Blocking and diluting buffer used was 5% NFDM/TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Brachyury / Bry antibody [EPR18113] (ab209665)

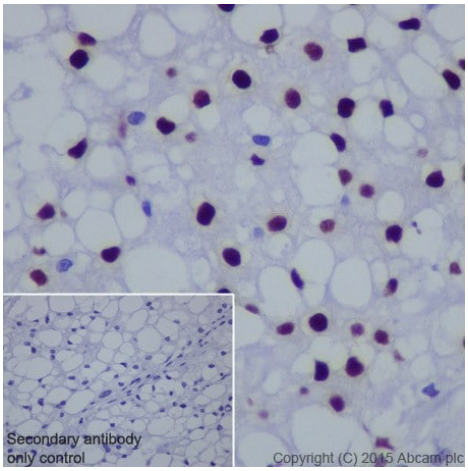
Ab209665 staining Brachyury/Bry in Rat E14.5 embryo tissue sections by Immunohistochemistry (IHC-P). Tissue was fixed paraffin and antigen retrieval was performed by heat mediation using **ab93684** (Tris/EDTA buffer, pH 9.0). Samples were incubated with primary antibody at a 1/4000 dilution. A ready to use Goat anti-rabbit IgG H&L (HRP) was used as the secondary antibody. Hematoxylin was used as a counter-stain. Nuclear staining on notochord of rat E14.5 embryo.



IHC - Wholemount - Anti-Brachyury / Bry antibody [EPR18113] (ab209665)

This image is courtesy of an abreview by Dr Sophie Morgani

IHC - Wholemount of E6.5 wholemount mouse embryo labelling Brachyury / Bry with ab209665. Sample was incubated with primary antibody (1/100 in PBS/0.1% Triton-X/5% donkey serum/1% BSA) for 18 hours at 4°C. An Alexa Fluor® 488-conjugated donkey anti-rabbit IgG monoclonal was used as the secondary antibody (1/500).

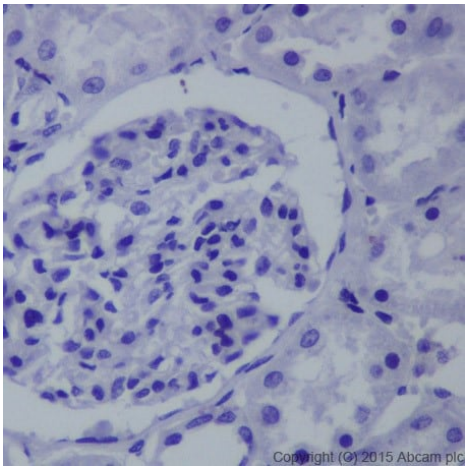


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Brachyury / Bry antibody [EPR18113] (ab209665)

Immunohistochemical analysis of paraffin-embedded Human chordoma tissue labeling Brachyury / Bry with ab209665 at 1/8000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Nucleus staining on Human chordoma is observed. Counter stained with Hematoxylin

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

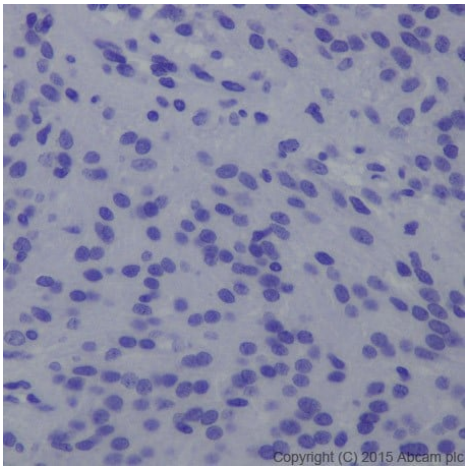


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Brachyury / Bry antibody [EPR18113] (ab209665)

Immunohistochemical analysis of paraffin-embedded Human kidney tissue labeling Brachyury / Bry with ab209665 at 1/8000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Negative staining on Human kidney. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

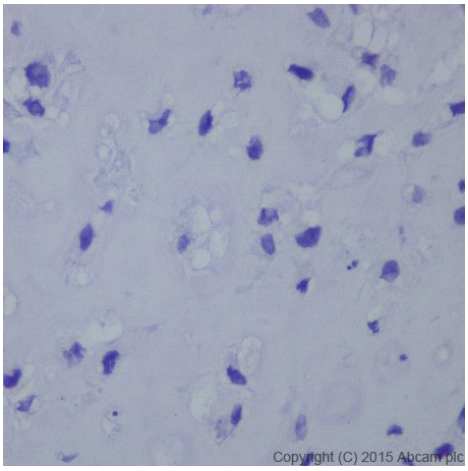


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Brachyury / Bry antibody [EPR18113] (ab209665)

Immunohistochemical analysis of paraffin-embedded Human meningioma tissue labeling Brachyury / Bry with ab209665 at 1/8000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Negative staining on Human meningioma. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

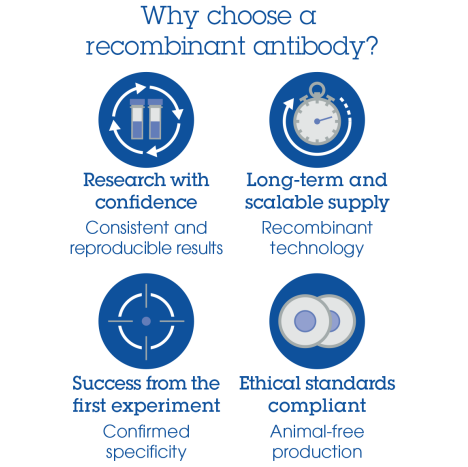


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Brachyury / Bry antibody [EPR18113] (ab209665)

Immunohistochemical analysis of paraffin-embedded Human chondrosarcoma tissue labeling Brachyury / Bry with ab209665 at 1/8000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Negative staining on Human chondrosarcoma. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Anti-Brachyury / Bry antibody [EPR18113] (ab209665)

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