

Anti-IGF2BP2/IMP-2 antibody [EPR6741(B)] ab124930

リコンビナント RabMAb

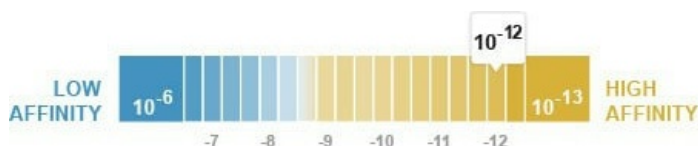
★★★★★ 1 Abreviews 13 References 画像数 8

製品の概要

製品名	Anti-IGF2BP2/IMP-2 antibody [EPR6741(B)]
製品の詳細	Rabbit monoclonal [EPR6741(B)] to IGF2BP2/IMP-2
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P, ICC/IF
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide corresponding to Human IGF2BP2/IMP-2.
ポジティブ・コントロール	293T, Caco2, HepG2, HeLa and SH SY5Y cell lysates, rat brain and mouse heart lysate; Human colon and human lung carcinoma tissue.
特記事項	<p>The mouse and rat recommendation is based on the WB results. This antibody may not be suitable for IHC with mouse or rat samples.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.</p>

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. Stable for 12 months at -20°C.
解離定数 (K _D 値)	K _D = 4.00 x 10 ⁻¹² M



[Learn more about K_D](#)

バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR6741(B)
アイソタイプ	IgG

アプリケーション

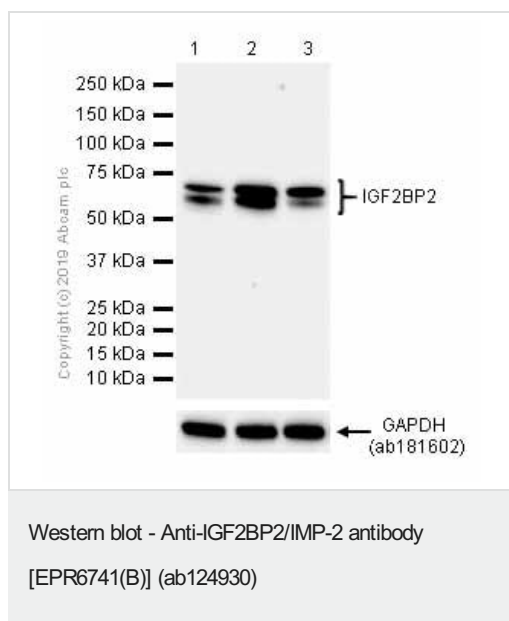
The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab124930の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/2000 - 1/5000. Detects a band of approximately 55-65 kDa (predicted molecular weight: 66 kDa).
IHC-P	★★★★★ (1)	1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. See IHC antigen retrieval protocols .
ICC/IF		1/100 - 1/250.

ターゲット情報

機能	Binds to the 5'-UTR of the insulin-like growth factor 2 (IGF2) mRNAs. Binding is isoform-specific. May regulate translation of target mRNAs.
組織特異性	Expressed in oocytes, granulosa cells of small and growing follicles, Leydig cells, spermatogonia and semen (at protein level). Expressed in testicular cancer (at protein level). Expressed weakly in heart, placenta, skeletal muscle, bone marrow, colon, kidney, salivary glands, testis and pancreas. Detected in fetal liver, fetal ovary, gonocytes and interstitial cells of the testis.
配列類似性	Belongs to the RRM IMP/VICKZ family. Contains 4 KH domains. Contains 2 RRM (RNA recognition motif) domains.
ドメイン	The third and fourth KH domains are important for binding to the untranslated region (UTR) of target mRNA.
細胞内局在	Cytoplasm. Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Localizes at the connecting piece and the tail of the spermatozoa.

画像



All lanes : Anti-IGF2BP2/IMP-2 antibody [EPR6741(B)] (ab124930) at 1/5000 dilution

Lane 1 : 293T (Human embryonic kidney epithelial cell) whole cell lysates

Lane 2 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 3 : HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysates

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 66 kDa

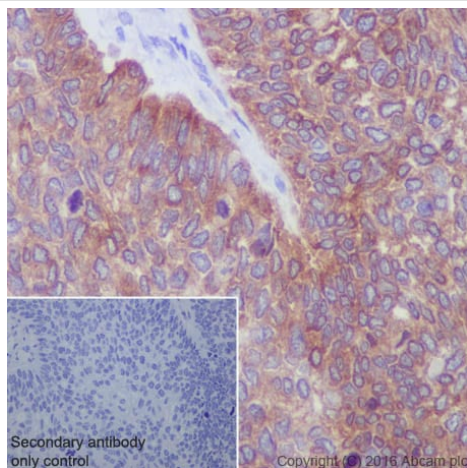
Observed band size: 60,62 kDa

Exposure time: 60 seconds

Blocking buffer and concentration 5% NFDM/TBST

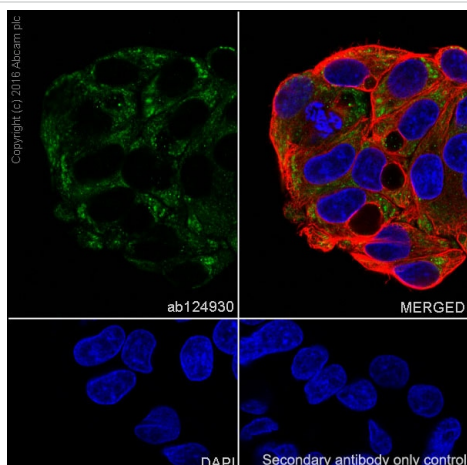
Diluting buffer and concentration 5% NFDM/TBST

The double bands are consistent with what has been described in PMID 23177649.



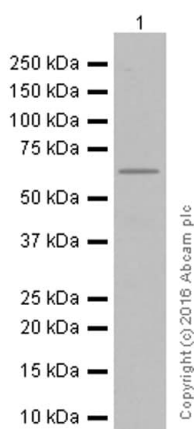
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IGF2BP2/IMP-2 antibody [EPR6741(B)] (ab124930)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human lung carcinoma tissue sections labeling IGF2BP2/IMP-2 with purified ab124930 at 1/200 dilution (4.8 µg/ml). Heat mediated antigen retrieval was performed using EDTA Buffer, PH9. Hematoxylin was used to counter stain. ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody at 1/0 dilution. PBS instead of the primary antibody was used as the negative control.



Immunocytochemistry/ Immunofluorescence - Anti-IGF2BP2/IMP-2 antibody [EPR6741(B)] (ab124930)

Immunocytochemistry/ Immunofluorescence analysis of HepG2 (Human liver hepatocellular carcinoma cell line) cells labeling IGF2BP2/IMP-2 with purified ab124930 at 1/250 dilution (3.8 µg/ml). Cells were fixed in 4% paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with **ab195889**, an anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) at 1/200 (2.5 µg/ml). **ab150077**, a Goat anti-rabbit IgG (Alexa Fluor® 488) was used as the secondary antibody at 1/1000 dilution. DAPI nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Western blot - Anti-IGF2BP2/IMP-2 antibody [EPR6741(B)] (ab124930)

Anti-IGF2BP2/IMP-2 antibody [EPR6741(B)] (ab124930) at 1/10000 dilution (purified) + Mouse heart lysate at 15 µg

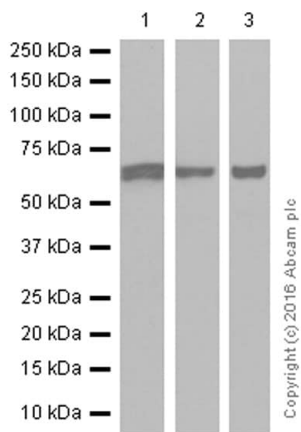
Secondary

Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 66 kDa

Observed band size: 66 kDa

Blocking and diluting buffer: 5% NFDM/TBST.



Western blot - Anti-IGF2BP2/IMP-2 antibody
[EPR6741(B)] (ab124930)

All lanes : Anti-IGF2BP2/IMP-2 antibody [EPR6741(B)]
(ab124930) at 1/2000 dilution (purified)

Lane 1 : 293T (Human embryonic kidney epithelial cell) whole cell
lysate

Lane 2 : SH-SY5Y (Human neuroblastoma epithelial cell) whole cell
lysate

Lane 3 : Rat brain lysate

Lysates/proteins at 20 µg per lane.

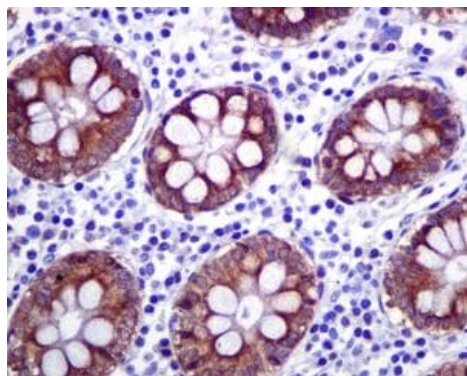
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000
dilution

Predicted band size: 66 kDa

Observed band size: 66 kDa

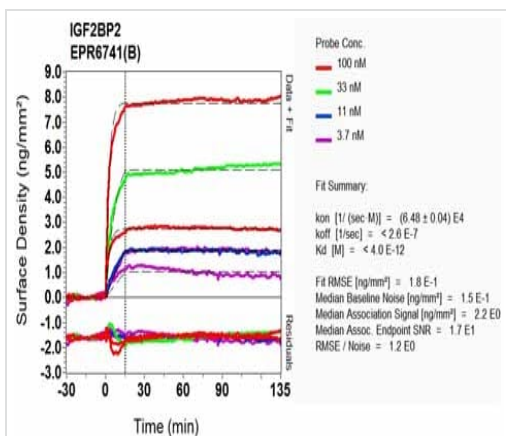
Blocking and diluting buffer: 5% NFDM/TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-
embedded sections) - Anti-IGF2BP2/IMP-2 antibody
[EPR6741(B)] (ab124930)

ab124930 (unpurified), at 1/50 dilution, staining IGF2BP2/IMP-2 in
formalin-fixed, paraffin-embedded Human colon tissue by
immunohistochemistry.

Perform heat mediated antigen retrieval with citrate buffer pH 6
before commencing with IHC staining protocol.



SPR Scanning - Anti-IGF2BP2/IMP-2 antibody
[EPR6741(B)] (ab124930)

Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

Why choose a
recombinant antibody?



**Research with
confidence**
Consistent and
reproducible results



**Long-term and
scalable supply**
Recombinant
technology



**Success from the
first experiment**
Confirmed
specificity



**Ethical standards
compliant**
Animal-free
production

Anti-IGF2BP2/IMP-2 antibody [EPR6741(B)]
(ab124930)

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