

Anti-Bone Sialoprotein antibody [EPR23367-50] ab270457

リコンビナント RabMAb

画像数 4

製品の概要

製品名	Anti-Bone Sialoprotein antibody [EPR23367-50]
製品の詳細	Rabbit monoclonal [EPR23367-50] to Bone Sialoprotein
由来種	Rabbit
アプリケーション	適用あり: IHC-P, IHC-Fr, IP 適用なし: WB
種交差性	交差種: Mouse
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: Mouse E14.5 tissue. IHC-Fr: Mouse E14.5 tissue. IP: Mouse fetal bone tissue lysate.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 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 (glycerin, glycerine), 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	EPR23367-50
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ab270457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
IHC-P		1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
IHC-Fr		1/500. Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).
IP		1/30.

追加情報 Is unsuitable for WB.

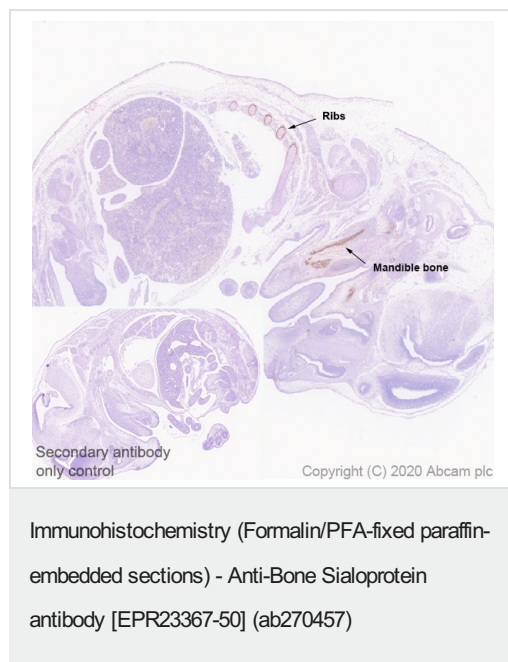
ターゲット情報

機能 Binds tightly to hydroxyapatite. Appears to form an integral part of the mineralized matrix. Probably important to cell-matrix interaction. Promotes Arg-Gly-Asp-dependent cell attachment.

翻訳後修飾 N-glycosylated; glycans consist of sialated and core-fucosylated bi-, tri- and tetraantennary chains. O-glycosylated at eight sites; mucin-type glycans contain Gal, GlcNAc, GalNAc and terminal NeuAc.
Sulfated on either Tyr-313 or Tyr-314.

細胞内局在 Secreted.

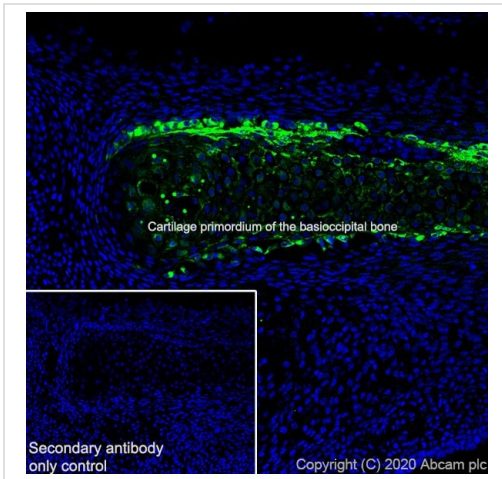
画像



Immunohistochemical analysis of paraffin-embedded Mouse E14.5 tissue labeling Bone Sialoprotein with ab270457 at 1/500 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining on bones of mouse E14.5 (PMID: 24927920). The section was incubated with ab270457 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND[®] RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.

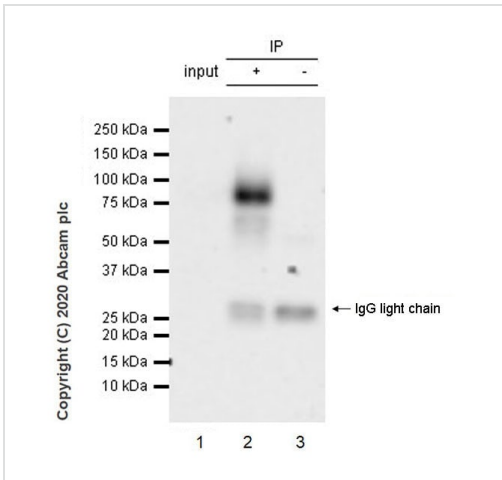


Immunohistochemistry (Frozen sections) - Anti-Bone Sialoprotein antibody [EPR23367-50] (ab270457)

Immunohistochemical analysis of frozen section of 4% PFA-fixed, 0.2% Triton X-1-- permeabilized mouse E14.5 embryo tissue labeling Bone Sialoprotein with ab270457 at 1/500 dilution followed by **ab150077** AlexaFluor[®]488 Goat anti-Rabbit secondary at 1/1000 dilution (Green). Positive staining on mouse embryonic bone. The nuclear counter stain is DAPI (Blue).

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).

Secondary antibody only control: Secondary antibody is b150077 AlexaFluor[®]488 Goat anti-Rabbit secondary at 1/1000 dilution.



Immunoprecipitation - Anti-Bone Sialoprotein antibody [EPR23367-50] (ab270457)

Bone Sialoprotein was immunoprecipitated from 0.35 mg Mouse fetal bone tissue lysate using ab270457 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab270457 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP)(**ab131366**) was used at 1/5000 dilution.

Lane 1: Mouse fetal bone tissue lysate 10ug

Lane 2: ab270457 IP in Mouse fetal bone tissue lysate

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab270457 in Mouse fetal bone tissue lysate

Blocking and dilution buffer and concentration: 5% NFDm/TBST.

Exposure time: 41 sseconds.

The molecular weight observed is consistent with literature (PMID: 14647232).

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-Bone Sialoprotein antibody [EPR23367-50]
(ab270457)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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