

Anti-Eph receptor B4/HTK antibody [EPR23222-2] ab305102

敲除验证
重组
RabMAb

5 图像

概述

产品名称	Anti-Eph receptor B4/HTK抗体[EPR23222-2]
描述	兔单克隆抗体[EPR23222-2] to Eph receptor B4/HTK
宿主	Rabbit
经测试应用	适用于: ICC/IF, Flow Cyt 不适用于: IHC-P, IP or WB
种属反应性	与反应: Human 不与反应: Mouse, Rat
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
阳性对照	ICC/IF: MCF7 cell line; EPHB4 KO HEK293T cell line. Flow Cyt: Eph receptor B4 wild-type and knockout 293T cell lines.
常规说明	<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>

性能

形式	Liquid
存放说明	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.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR23222-2

同种型

IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab305102于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF		1/100.
Flow Cyt		1/50.

应用说明

Is unsuitable for IHC-P,IP or WB.

靶标

功能

Receptor for members of the ephrin-B family. Binds to ephrin-B2. May have a role in events mediating differentiation and development.

组织特异性

Abundantly expressed in placenta and in a range of primary tissues and malignant cell lines. Expressed in fetal, but not adult, brain, and in primitive and myeloid, but not lymphoid, hematopoietic cells.

序列相似性

Belongs to the protein kinase superfamily. Tyr protein kinase family. Ephrin receptor subfamily. Contains 2 fibronectin type-III domains. Contains 1 protein kinase domain. Contains 1 SAM (sterile alpha motif) domain.

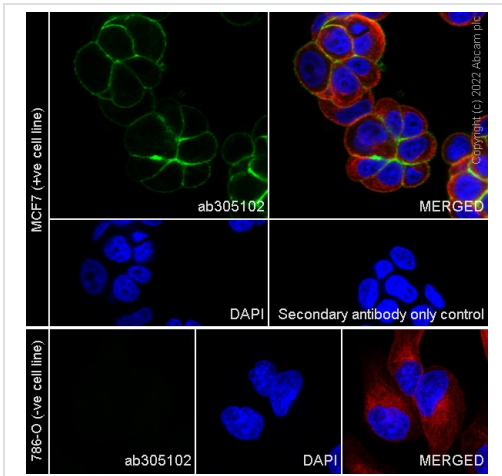
翻译后修饰

Autophosphorylated.

细胞定位

Membrane.

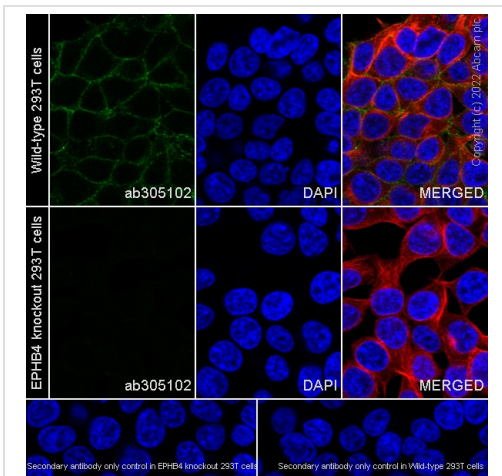
图片



Immunocytochemistry/ Immunofluorescence - Anti-Eph receptor B4/HTK antibody [EPR23222-2] (ab305102)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized MCF7 (human breast adenocarcinoma epithelial cells labeling Eph receptor B4/HTK with ab305102 at 1/100 dilution (5.15 µg/mL), followed by **ab150081** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed antibody at 1/1000 2µg/mL (Green). Confocal image showing membranous staining in MCF-7 cell line. Negative control: 786-O (PMID: 34399807). Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8). **ab195889** Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 dilution (2.5µg/mL) (Red). The nuclear counterstain was DAPI (Blue).

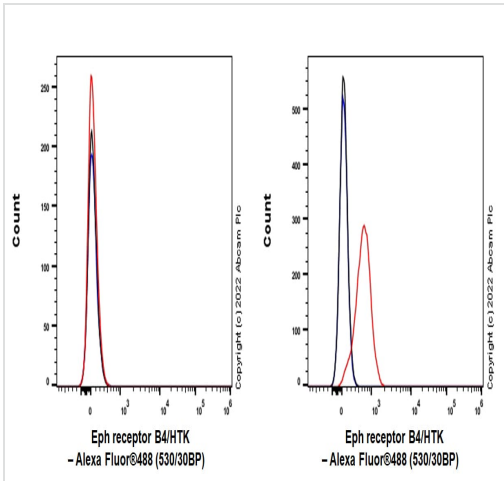
Secondary antibody only control: Secondary antibody is **ab150081** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (2µg/mL).



Immunocytochemistry/ Immunofluorescence - Anti-Eph receptor B4/HTK antibody [EPR23222-2] (ab305102)

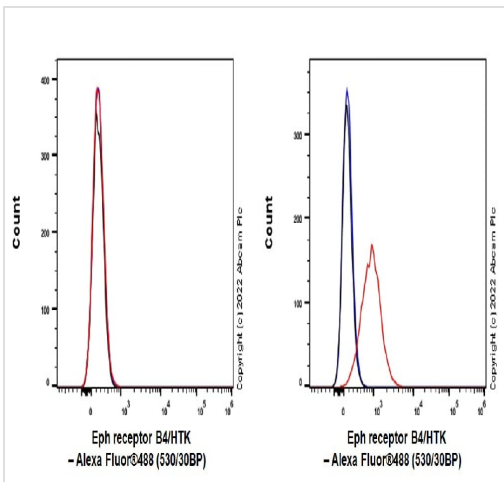
Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized EPHB4 KO HEK293T **ab266733** cells labeling Eph receptor B4/HTK with ab305102 at 1/100 dilution (5.15 µg/mL), followed by **ab150081** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed antibody at 1/1000 2µg/mL (Green). Confocal image showing membranous staining in parental HEK293T cell line, but no staining in EPHB4 KO HEK293T cell line. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8). **ab195889** Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 dilution (2.5µg/mL) (Red). The nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Secondary antibody is **ab150081** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (2µg/mL).



Flow Cytometry - Anti-Eph receptor B4/HTK antibody [EPR23222-2] (ab305102)


Flow cytometric analysis of Wild-type 293T (human embryonic kidney epithelial cell, Right) / Eph receptor B4 knockout 293T (Left) cells labeling Eph receptor B4/HTK with ab305102 at 1/500 dilution (0.1 μ g) (Red) compared with a Rabbit monoclonal IgG ([ab172730](#)) (Black) isotype control and an unlabeled control (cells without incubation with primary antibody and secondary antibody) (Blue). Goat Anti-Rabbit IgG (Alexa Fluor[®] 488, [ab150081](#)) at 1/2000 dilution was used as the secondary antibody. Gated on viable cells. Positive staining on 293T cells ([ab255449](#)), while no staining on Eph receptor B4 knockout 293T cells ([ab266733](#)).





Flow Cytometry - Anti-Eph receptor B4/HTK antibody [EPR23222-2] (ab305102)

Flow cytometric analysis of 786-O (human kidney epithelial cell, Left) / MCF7 (human breast adenocarcinoma epithelial cell, Right) cells labeling Eph receptor B4/HTK with ab305102 at 1/50 dilution (1 μ g) (Red) compared with a Rabbit monoclonal IgG ([ab172730](#)) (Black) isotype control and an unlabeled control (cells without incubation with primary antibody and secondary antibody) (Blue). Goat Anti-Rabbit IgG (Alexa Fluor[®] 488, [ab150081](#)) at 1/2000 dilution was used as the secondary antibody. Gated on viable cells. Negative control: 786-O (PMID: 34399807).

Why choose a recombinant antibody?

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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-Eph receptor B4/HTK antibody [EPR23222-2] (ab305102)

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

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