abcam

Product datasheet

Anti-Slit2 antibody [EPR23272-227] ab246503

重组 RabMAb

4 图像

概述

产品名称	Anti-Slit2抗体[EPR23272-227]
描述	兔单克隆抗体[EPR23272-227] to Slit2
宿主	Rabbit
经测试应用	**适用于:** WB **不适用于:** Flow Cyt,ICC/IF,IHC-P or IP
种属反应性	**与反应:** Mouse, Rat, Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: rat brain tissue, PC-3, T-47, mIMCD3, Mouse E14.5 brain tissue, 293T.
常规说明	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**.

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	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR23272-227
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab246503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
WB		1/1000. Predicted molecular weight: 169 kDa.

应用说明 Is unsuitable for Flow Cyt,ICC/IF,IHC-P or IP.

靶标

功能 Thought to act as molecular guidance cue in cellular migration, and function appears to be mediated by interaction with roundabout homolog receptors. During neural development involved in axonal navigation at the ventral midline of the neural tube and projection of axons to different regions. SLIT1 and SLIT2 seem to be essential for midline guidance in the forebrain by acting as repulsive signal preventing inappropriate midline crossing by axons projecting from the olfactory bulb. In spinal chord development may play a role in guiding commissural axons once they reached the floor plate by modulating the response to netrin. In vitro, silences the attractive effect of NTN1 but not its growth-stimulatory effect and silencing requires the formation of a ROBO1-DCC complex. May be implicated in spinal chord midline post-crossing axon repulsion. In vitro, only commissural axons that crossed the midline responded to SLIT2. In the developing visual system appears to function as repellent for retinal ganglion axons by providing a repulsion that directs these axons along their appropriate paths prior to, and after passage through, the optic chiasm. In vitro, collapses and repels retinal ganglion cell growth cones. Seems to play a role in branching and arborization of CNS sensory axons, and in neuronal cell migration. In vitro, Slit homolog 2 protein N-product, but not Slit homolog 2 protein C-product, repels olfactory bulb (OB) but not dorsal root ganglia (DRG) axons, induces OB growth cones collapse and induces branching of DRG axons. Seems to be involved in regulating leukocyte migration.

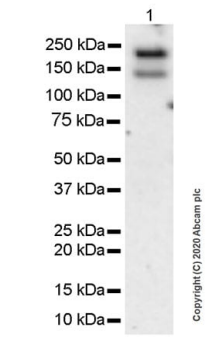
组织特异性 Fetal lung and kidney, and adult spinal cord. Weak expression in adult adrenal gland, thyroid, trachea and other tissues examined.

序列相似性 Contains 1 CTCK (C-terminal cystine knot-like) domain.
Contains 7 EGF-like domains.
Contains 1 laminin G-like domain.
Contains 20 LRR (leucine-rich) repeats.
Contains 4 LRRCT domains.
Contains 4 LRRNT domains.

结构域 The leucine-rich repeat domain is sufficient for guiding both axon projection and neuronal migration, in vitro.

细胞定位 Secreted. The C-terminal cleavage protein is more diffusible than the larger N-terminal protein that is more tightly cell associated.

图片



Western blot - Anti-Slit2 antibody [EPR23272-227] (ab246503)

Anti-Slit2 antibody [EPR23272-227] (ab246503) at 1/1000 dilution + Rat brain tissue lysate at 20 µg

Secondary

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

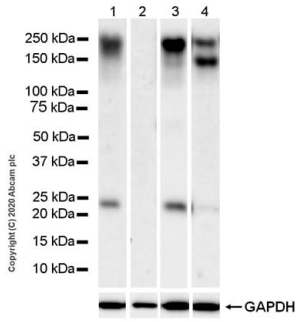
Predicted band size: 169 kDa

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

The antibody detects Slit2-full(200KDa) and Slit2-N fragment (150KDa).

The molecular weight observed is consistent with what has been described in the literature (PMID: 11404413).

Exposure time: 3 minutes.



Western blot - Anti-Slit2 antibody [EPR23272-227] (ab246503)

All lanes : Anti-Slit2 antibody [EPR23272-227] (ab246503) at 1/1000 dilution

Lane 1 : PC-3 (human prostate adenocarcinoma epithelial cell) whole cell lysate at 20 µg
Lane 2 : T-47D(Human ductal breast epithelial tumor epithelial cell), whole cell lysate at 20 µg
Lane 3 : mIMCD3 (mouse inner medlary collecting duct epithelial cell), whole cell lysate at 20 µl
Lane 4 : Mouse E14.5 brain tissue lysate at 20 µg

Secondary

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

Predicted band size: 169 kDa

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

A~25 kDa degraded band is observed. Freshly made lysates can

decrease the degradation.

The antibody detects Slit2-full(200KDa) and Slit2-N fragment (150KDa).

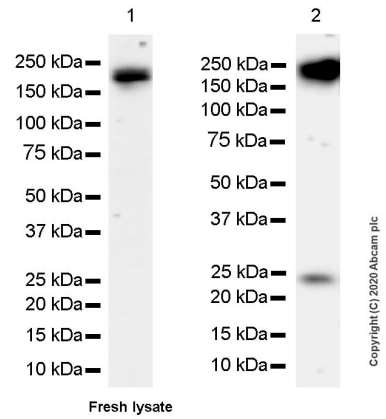
The molecular weight observed is consistent with what has been described in the literature (PMID: 11404413).

Negative control: T-47D (PMID:17268810)

Exposure time:

Lanes 1-2: 136 seconds;

Lanes 3-4: 26 seconds.



Western blot - Anti-Slit2 antibody [EPR23272-227] (ab246503)

All lanes : Anti-Slit2 antibody [EPR23272-227] (ab246503) at 1/1000 dilution

All lanes : 293T (human embryonic kidney epithelial cell), whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

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

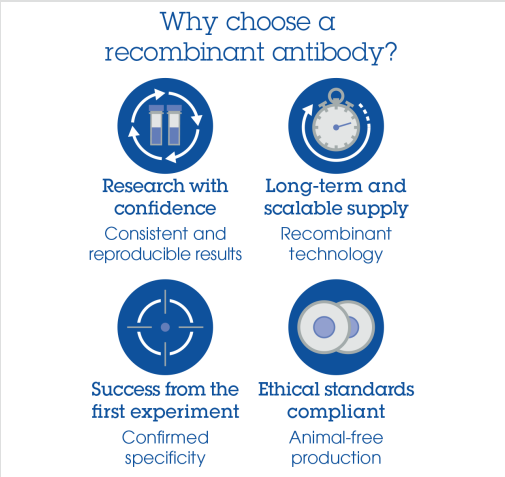
Predicted band size: 169 kDa

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

Fresh lysate was used in lane 1.

Band detected around 25KDa in lane 2 is caused by degradation as it disappeared in fresh lysate.

Exposure time: 37 seconds.



Anti-Slit2 antibody [EPR23272-227] (ab246503)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.cn/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors