abcam

Product datasheet

Anti-Slit2 antibody [EPR23272-227] - BSA and Azide free ab275092

リコンビナント RabMAb

画像数 4

製品の概要

製品名	Anti-Slit2 antibody [EPR23272-227] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR23272-227] to Slit2 - BSA and Azide free
由来種	Rabbit
アプリケーション	**適用あり:** WB **適用なし:** Flow Cyt,ICC/IF,IHC-P or IP
種交差性	**交差種:** Mouse, Rat, Human
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	WB: rat brain tissue, PC-3, T-47, mIMCD3, Mouse E14.5 brain tissue, 293T.
特記事項	ab275092 is the carrier-free version of **ab246503**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. 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.
バッファー	Constituent: 100% PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR23272-227
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ab275092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		Use at an assay dependent concentration. Predicted molecular weight: 169 kDa.

追加情報 Is unsuitable for Flow Cyt,ICC/IF,IHC-P or IP.

ターゲット情報

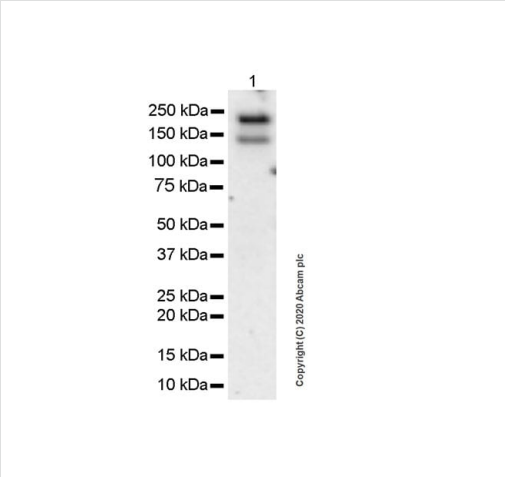
機能 Thought to act as molecular guidance cue in cellular migration, and function appears to be mediated by interaction with roundabout homolog receptors. During neural development involved in axonal navigation at the ventral midline of the neural tube and projection of axons to different regions. SLIT1 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.

組織特異性 Fetal lung and kidney, and adult spinal cord. Weak expression in adult adrenal gland, thyroid, trachea and other tissues examined.

配列類似性 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.
ドメイン	The leucine-rich repeat domain is sufficient for guiding both axon projection and neuronal migration, in vitro.
細胞内局在	Secreted. The C-terminal cleavage protein is more diffusible than the larger N-terminal protein that is more tightly cell associated.

画像



Western blot - Anti-Slit2 antibody [EPR23272-227] - BSA and Azide free (ab275092)

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

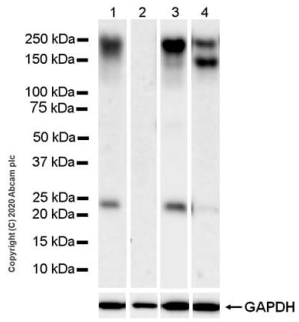
This data was developed using **ab246503**, the same antibody clone in a different buffer formulation.

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] - BSA and Azide free (ab275092)

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

This data was developed using **ab246503**, the same antibody clone in a different buffer formulation.

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).

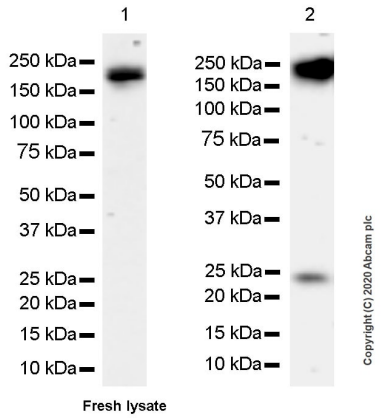
The molecular weight observed is consistent with what has been described in the literature (PMID: 11404413).

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] - BSA and Azide free (ab275092)

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

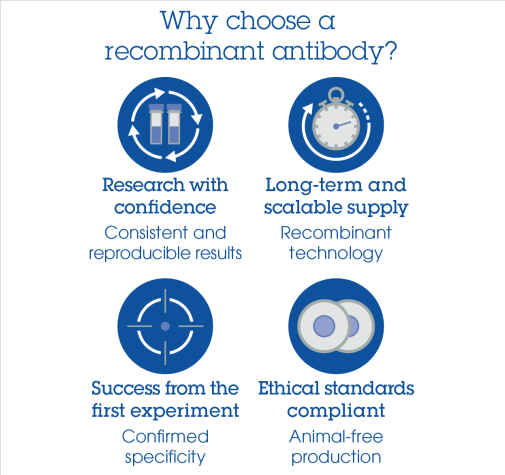
This data was developed using **ab246503**, the same antibody clone in a different buffer formulation.

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



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