




Anti-Slit2 antibody ab7665

★★★★★ [6 Abreviews](#) [12 References](#) [1 图像](#)

概述

产品名称	Anti-Slit2抗体
描述	兔多克隆抗体to Slit2
宿主	Rabbit
经测试应用	适用于: WB, ICC/IF, IHC-Fr
种属反应性	与反应: Mouse, Rat, Chicken, Human 预测可用于: Xenopus laevis 
免疫原	Synthetic peptide: YFIPGTEDYRSKLSGDC conjugated to KLH, corresponding to amino acids 484-500 of Human SLIT2.  Run BLAST with  Run BLAST with
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: 0.01% Sodium azide Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab7665于以下的经测试应用

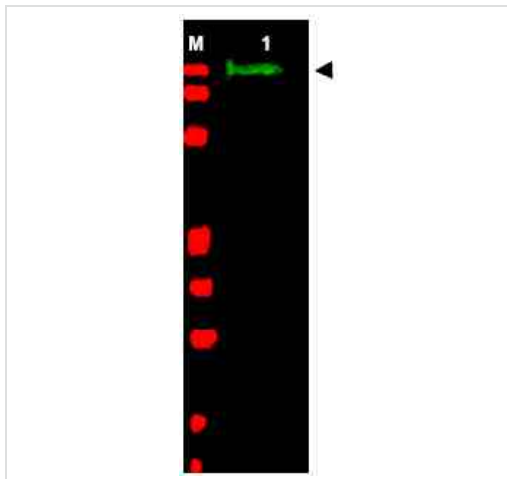
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/500 - 1/2000. Detects a band of approximately 165 kDa (predicted molecular weight: 170 kDa). Incubate primary antibody blocking buffer (5% goat serum + 0.5% non-fat dry milk in PBS) other blocking buffers cause a poor signal.
ICC/IF	★★★★★ (4)	Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration. PubMed: 20498081

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 (ab7665)

Anti-Slit2 antibody (ab7665) at 1/1350 dilution + Chicken spinal cord whole cell lysate at 30 µg

Secondary

IRDye™800

conjugated Goat anti-Rabbit IgG [H&L] at 1/10000 dilution

Predicted band size: 170 kDa

Observed band size: 165 kDa

Molecular weight estimation was made by comparison to prestained molecular weight markers

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

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