antibodies - online.com







anti-SLIT2 antibody (AA 484-500)



Image



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Alternative Name:

Background:

Quantity:	100 μg
Target:	SLIT2
Binding Specificity:	AA 484-500
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLIT2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA
Product Details	
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated
	immunizations with a synthetic peptide corresponding aa 484-500 of Human SLIT-2 protein.
Isotype:	IgG
Cross-Reactivity:	Chicken
Characteristics:	Concentration Definition: by UV absorbance at 280 nm
Target Details	
Target:	SLIT2

SLIT-2 is thought to act as a molecular guidance cue in cellular migration, and its function

SLIT-2 (SLIT2 Products)

appears to be mediated by interaction with roundabout homologue receptors. SLIT-1 and SLIT-2 seem to be essential for midline guidance in the forebrain by acting as repulsive signals preventing inappropriate midline crossing by axons projecting from the olfactory bulb. In spinal chord development SLIT-2 may play a role in guiding commissural axons once they reach the floor plate by modulating the response to netrin. In vitro, SLIT-2 silences the attractive effect of NTN1 but not its growth-stimulatory effect and silencing requires the formation of a ROBO1-DCC complex. In vitro, only commissural axons that crossed the midline responded to SLIT-2. In the developing visual system this protein functions as a 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. SLIT-2 is a secreted protein predominantly expressed in fetal lung and kidney, and adult spinal cord. Weak expression is observed in adult adrenal gland, thyroid, trachea and other tissues examined. Multiple isoforms have been reported for this product.

Synonyms: Drad-1 antibody, E030015M03Rik antibody, E130320P19Rik antibody, FLJ14420 antibody, Slil 3 antibody, Slil 3 antibody

Gene ID: 9353, 4759146

UniProt: 094813

Pathways: Regulation of Actin Filament Polymerization, Regulation of Cell Size, Smooth Muscle Cell

Migration

Application Details

Application Notes:

This affinity purified antibody has been tested for use in ELISA and by western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band at ~ 165 kDa corresponding to full-length protein by western blotting in the appropriate cell lysate or extract.

For western blotting block the membrane with goat serum. Do not block with non-fat dry milk.

Restrictions: For Research Use only

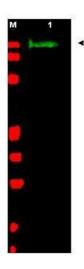
Handling

Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which	
	should be handled by trained staff only.	
Storage:	-20 °C	

Images



Western Blotting

Image 1. Western blot using Affinity Purified anti-SLIT-2 antibody shows detection of a band at ~165 kDa (lane 1) corresponding to SLIT-2 present in a chicken spinal cord whole cell lysate (arrowhead). Approximately 30 μg of lysate was separated on a 4-20% Tris-Glycine gel by SDS-PAGE and transferred onto nitrocellulose. After blocking the membrane was probed with the primary antibody diluted to 1:1,350. Reaction occurred overnight at 4° C followed by washes and reaction with a 1:10,000 dilution of IRDye800 conjugated Gt-a-Rabbit IgG [H&L] MX for 45 min at room temperature (800 nm channel, green). Molecular weight estimation was made by comparison to prestained MW markers in lane M (700 nm channel, red).800 fluorescence image was captured using the Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results.