

Datasheet for ABIN2470344
anti-SLIT1 antibody (AA 155-173)



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1 Image

Overview

Quantity:	0.05 mg
Target:	SLIT1
Binding Specificity:	AA 155-173
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLIT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Slit Homolog 1 antibody was raised against amino acids 155 - 173 of Slit Homolog 1 (Mouse).
Purification:	Immunoaffinity Chromatography

Target Details

Target:	SLIT1
Alternative Name:	Slit Homolog 1 (SLIT1 Products)
Background:	SLIT-1 (also known as KIAA0813, MEGF4, multiple epidermal growth factor-like domains 4 and Slit homolog 1 protein) is a Slit protein. This protein is a ligand for the Roundabout (Robo) receptors and acts as guidance cues in axonal migration/navigation during neural development, at the ventral midline of the neural tube. Slit1 and Slit2 are essential for midline guidance in the forebrain by acting as repulsive signals preventing inappropriate midline crossing by axons

Target Details

projecting from the olfactory bulb. Each SLIT gene encodes a putative secreted protein, which contains conserved protein-protein interaction domains including leucine-rich repeats and epidermal growth factor-like motifs, similar to those of the Drosophila protein. In situ hybridization studies indicated that the rat SLIT-1 mRNA was specifically expressed in the neurons of fetal and adult forebrains. This data suggests that the SLIT genes form an evolutionarily conserved group in vertebrates and invertebrates, and that the mammalian SLIT proteins may participate in the formation and maintenance of the nervous and endocrine systems by protein-protein interactions. Alternative splicing isoforms have been identified for Slit1 protein.

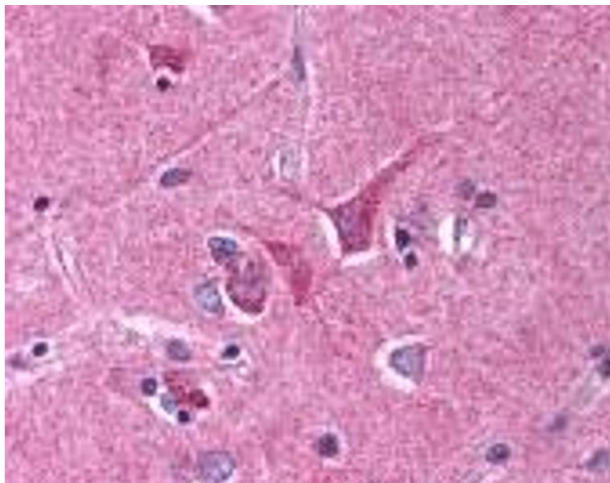
Gene ID:	6585
UniProt:	O75093
Pathways:	Regulation of Cell Size

Application Details

Application Notes:	Slit Homolog 1 antibody can be used in Western Blot, and immunohistochemistry starting at 20 µg/mL.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	0.02 M potassium phosphate, 0.15 M sodium chloride, pH 7.2, 0.01 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	As with all antibodies avoid freeze/thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Store Slit Homolog 1 antibody at 4 °C or -20 °C.



Immunohistochemistry

Image 1.