

## Product datasheet for **TA319480**

### Slit1 Rabbit Polyclonal Antibody

#### Product data:

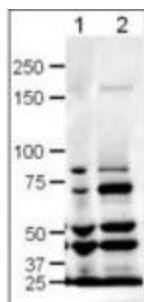
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:10,000 - 1:50,000, WB: 1:500 - 1:2,000
Reactivity:	Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding aa 487-504 of mouse SLIT-1 protein.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	slit homolog 1 (Drosophila)
Database Link:	<a href="#">NP_056563</a> <a href="#">Entrez Gene 65047 Rat</a> <a href="#">Entrez Gene 20562 Mouse</a> <a href="#">Q80TR4</a>
Synonyms:	KIAA0813; MEGF4; MGC164811; SLIL1; Slit-1; SLIT3



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**Note:** 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 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.

### Product images:



WB using Anti-SLIT-1 antibody shows detection of SLIT-1 in rat (lane 1) and mouse (lane 2) brain lysates. The expected molecular weight for SLIT-1 is 168 kDa. Approximately 20 ug of each lysates was run on a SDS-PAGE and transferred onto nitrocellulose followed by reaction with a 1:500 dilution of anti-SLIT-1 antibody. Signal was detected using standard techniques. Note: The smaller strong bands observed in this blot are likely SLIT-1 cleavage products.