

## Product datasheet for **AP09291PU-N**

### **SLIT3 (1164-1177) Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	ELISA, WB
<b>Recommended Dilution:</b>	ELISA: 1/2,000 - 1/10,000. Western Blot: 1/500 - 1/2,000.
<b>Reactivity:</b>	Bovine, Canine, Chimpanzee, Chicken, Human, Mouse, Rat
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	Synthetic peptide corresponding aa 1164-1177 of Human SLIT-3 protein
<b>Specificity:</b>	This antibody is directed against SLIT-3 protein.
<b>Formulation:</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 containing 0.01% (w/v) Sodium Azide State: Aff - Purified State: Liquid purified Ig
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Affinity chromatography
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store the antibody at -20°C. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	slit guidance ligand 3
<b>Database Link:</b>	<a href="#">Entrez Gene 6586 Human O75094</a>



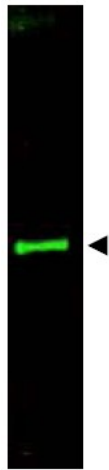
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**Background:**

SLIT-3 (also known as multiple epidermal growth factorlike domain 5 and Slit homolog 3 protein) is a Slit protein. The 'slit' gene has been shown to play a critical role in central nervous system midline formation. In addition to SLIT3 there are two additional human 'slit' homologs, which are termed SLIT1 and SLIT2. 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. SLIT proteins may also participate in the formation and maintenance of the nervous and endocrine systems by protein-protein interactions. Slit-3 is a secreted protein predominantly expressed in thyroid. Multiple isoforms have been reported for this product.

**Synonyms:**

SLIT-3, KIAA0814, MEGF5, SLIL2

**Product images:**

Western blot using Affinity Purified anti-SLIT-3 antibody shows detection of a predominant band at ~145 kDa corresponding to SLIT-3 (arrowhead) in a bovine thyroid whole cell lysate using the 800 nm channel (green). ~ 35 ug of lysate was separated on a 4-8% Tricine gel by SDS-PAGE and transferred onto nitrocellulose. After blocking the membrane was probed with the primary antibody diluted to 1:800. Incubation was for 2 h at room temperature followed by washes and reaction with a 1:10,000 dilution of IRDye (TM)800 conjugated Gt-a-Rabbit IgG [H&L] MXHu for 45 min at room temperature. Molecular weight markers were used for size comparison using the 700 nm channel (not shown). IRDye (TM)800 fluorescence image was captured using the Odyssey (R) Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results