

## Anti-SLIT-3 (RABBIT) Antibody - 600-401-884

**Code:** 600-401-884

**Size:** 100 µg

**Product Description:** Anti-SLIT-3 (RABBIT) Antibody - 600-401-884

**PhysicalState:** Liquid (sterile filtered)

<b>Label</b>	Unconjugated
<b>Host</b>	Rabbit
<b>Gene Name</b>	SLIT3
<b>Species Reactivity</b>	human, rat, dog, bovine, mouse
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Stabilizer</b>	None
<b>Preservative</b>	0.01% (w/v) Sodium Azide
<b>Storage Condition</b>	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
<b>Synonyms</b>	FLJ10764 antibody, KIAA0814 antibody, MEGF 5 antibody, MEGF5 antibody, Multiple epidermal growth factor-like domains 5 antibody, SLIL 2 antibody
<b>Application Note</b>	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 ~ 168 kDa corresponding to full length protein as well as multiple bands corresponding to isoforms of SLIT-3 by western blotting in the appropriate cell lysate or extract.
<b>Background</b>	SLIT-3 (also known as multiple epidermal growth factor-like 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.
<b>Purity And Specificity</b>	This affinity purified antibody is directed against human SLIT-3 protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest reactivity with this protein from human, rat, dog, bovine and mouse based on 100% homology for the immunogen sequence. Expect cross reactivity with SLIT-3 from chimpanzee and chicken sources, as only a single amino acid residue change is found within the immunogen sequence (93% positive by BLAST). Cross reactivity with SLIT-3 homologues from other sources has not been determined.
<b>Expiration</b>	Expiration date is one (1) year from date of opening.
<b>Immunogen</b>	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding aa 1164-1177 of Human SLIT-3 protein.
<b>General Reference</b>	<p>Itoh,A., Miyabayashi,T., Ohno,M. and Sakano,S. (1998) Cloning and expressions of three mammalian homologues of Drosophila slit suggest possible roles for Slit in the formation and maintenance of the nervous system. <i>Brain Res. Mol. Brain Res.</i> 62 (2), 175-186.</p> <p>Nakayama,M., Nakajima,D., Nagase,T., Nomura,N., Seki,N. and Ohara,O. (1998) Identification of high-molecular-weight proteins with multiple EGF-like motifs by motif-trap screening. <i>Genomics</i> 51 (1), 27-34.</p> <p>Holmes,G.P., Negus,K., Burrridge,L., Raman,S., Algar,E., Yamada,T. and Little,M.H. (1998) Distinct but overlapping expression patterns of two vertebrate slit homologs implies functional roles in CNS development and organogenesis. <i>Mech. Dev.</i> 79 (1-2), 57-72.</p>

### Related Products

600-401-846	Anti-SLIT-2 (RABBIT) Antibody - 600-401-846
600-401-860	Anti-SLIT-1 (RABBIT) Antibody - 600-401-860
600-401-905	Anti-EGFR (RABBIT) Antibody - 600-401-905
600-401-928	Anti-EGFR pY1197 (RABBIT) Antibody - 600-401-928

## Related Links

## Images

1

Western blot using Rockland's 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™800 conjugated Gt-a-Rabbit IgG [H&L] MXHu (611-432-122) for 45 min at room temperature. Molecular weight markers were used for size comparison using the 700 nm channel (not shown). IRDye800 fluorescence image was captured using the Odyssey® Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results.



## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.