BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-SLIT-3 Antibody

Catalog Number: A04745

About SLIT3

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.

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Overview

Product Name	Anti-SLIT-3 Antibody
Reactive Species	Bovine, Canine, Human, Mouse, Rat
Description	Boster Bio Anti-SLIT-3 Antibody (Catalog # A04745). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat, Bovine, Dog.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 0.01% (w/v) Sodium Azide
Storage Instructions	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. Expiration date is one (1) year from date of opening. (Ship on dry ice.)
Host	Rabbit
Uniprot ID	O75094

Technical Details

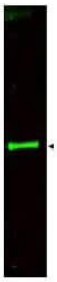
Immunogen	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region near aa 1155-1180 of

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	Human SLIT-3 protein.
Predicted Reactive Species	Bovine,Canine
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid (sterile filtered)
Concentration	0.752 mg/mL by UV absorbance at 280 nm
Purification	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.
Suggested Dilutions	ELISA: 1:2,000 - 1:10,000 WB: 1:500 - 1:2,000 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. 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.

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Anti-SLIT-3 Antibody (A04745) Images



Western blot using Boster'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.

Anti-SLIT-3 Antibody

For Research Use Only. Not for use in diagnostic procedures.