

Datasheet for 600-401-DT3**Prosapip1 Antibody****Overview**

Description:	Anti-Prosapip1 (RABBIT) Antibody - 600-401-DT3
Item No.:	600-401-DT3
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Prosapip1 is a binding partner of the postsynaptic density (PSD) protein ProSAP2/Shank3, a major scaffolding protein in excitatory brain synapses. Prosapip1 is thought to bind ProSAP2/Shank3 through ProSAP2/Shank3's PDZ domain and link it in turn to the Spine-associated Rap-Gap (SPAR). Prosapip1 shares significant homology with another PSD protein, PSD-Zip70, with both coding for a Fez1 domain that can be found in a total of four related protein, forming a novel family of scaffolding molecules termed 'Fezzins'. Recent studies show that Prosapip1 can be found in endocrine cells in which it is localized primarily in the hormone-storing compartment of these cells, suggesting that Prosapip1 may have other functions in non-neuronal cells.
Synonyms:	Prosapip1 Antibody, PROSAPIP1, KIAA0552, PROSAPIP1, Leucine zipper putative tumor suppressor 3, ProSAP-interacting protein 1, ProSAPIP1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	LZTS3
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-Prosapip1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide from near the C-terminus of human Prosapip1.
Purity/Specificity:	Anti-Prosapip1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with Prosapip1 from other sources has not been determined.
Relevant Links:	• UniProtKB - O60299 • GeneID - 9762 • NCBI - NP_055546

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-Prosapip1 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 72 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IF:	20 µg/mL
IHC:	2.5 µg/mL
WB:	1 µg/mL

Formulation

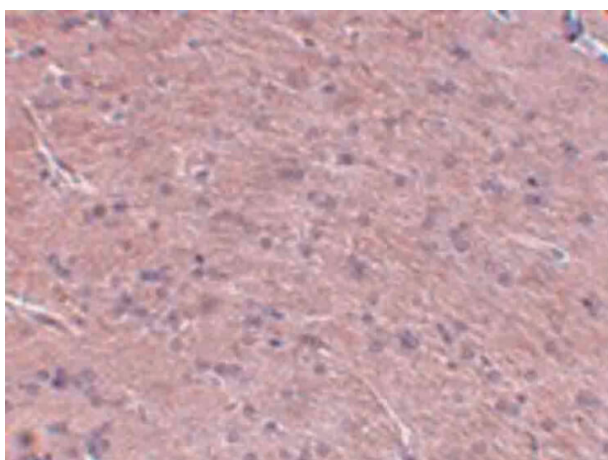
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
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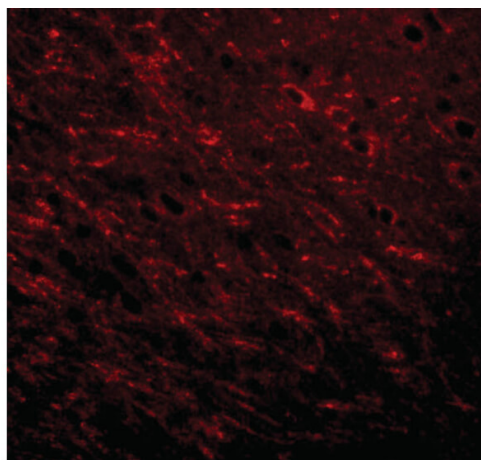
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



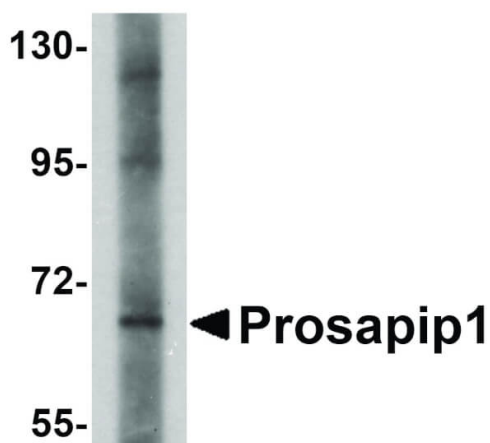
Immunohistochemistry

Immunohistochemistry of Prosapip1 antibody. Tissue: rat brain tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: Prosapip1 antibody at 2.5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: Prosapip1 is cytoplasmic. Staining: Prosapip1 as precipitated pink signal with purple nuclear counterstain.



Immunofluorescence Microscopy

Immunofluorescence Microscopy of Prosapip1 antibody. Tissue: rat brain tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: Prosapip1 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: Prosapip1 is cytoplasmic. Staining: Prosapip1 as red fluorescent signal.

**Western Blot**

Western Blot of Prosapip1 antibody. Lane 1: SK-N-SH cell lysate with Prosapip1 antibody at 1 μ g/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 72 kDa, 68 kDa for Prosapip1. Other band(s): Prosapip1 splice variants and isoforms.

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.