



[Go to Product page](#)

Datasheet for ABIN500541

anti-ProSAPiP1 antibody (C-Term)

2 Images

Overview

Quantity:	0.1 mg
Target:	ProSAPiP1 (PROSAPIP1)
Binding Specificity:	C-Term
Reactivity:	Mouse, Rat, Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ProSAPiP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	A 16 amino acid peptide from near the carboxy terminus of Human Prosapip1.
Isotype:	IgG
Specificity:	This antibody detects Prosapip1. It will not cross-react with Prosapip2.
Cross-Reactivity (Details):	Species reactivity (tested):Human, Mouse, Rat.
Purification:	Peptide Affinity Chromatography

Target Details

Target:	ProSAPiP1 (PROSAPIP1)
Alternative Name:	PROSAPIP1 (PROSAPIP1 Products)

Target 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: KIAA0552, ProSAP-interacting protein 1

Gene ID: 9762

NCBI Accession: [NP_055546](#)

UniProt: [O60299](#)

Application Details

Application Notes: ELISA. Western blot: 1-2 µg/mL. Immunohistochemistry on Paraffin Sections. Recommended Positive Control. SK-N-SH Cell Lysate.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

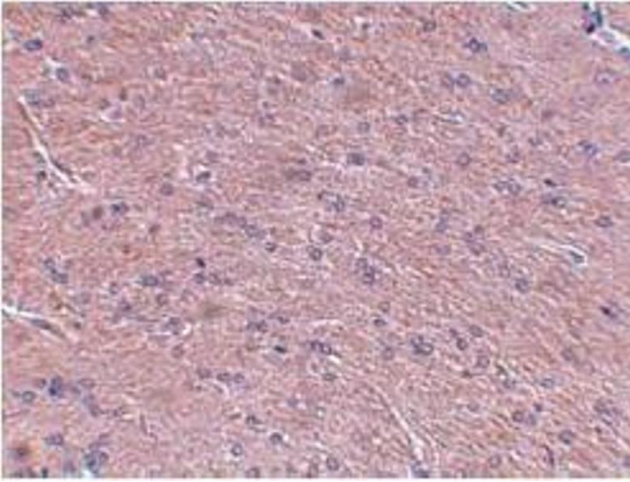
Buffer: PBS containing 0.02 % Sodium Azide as preservative

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

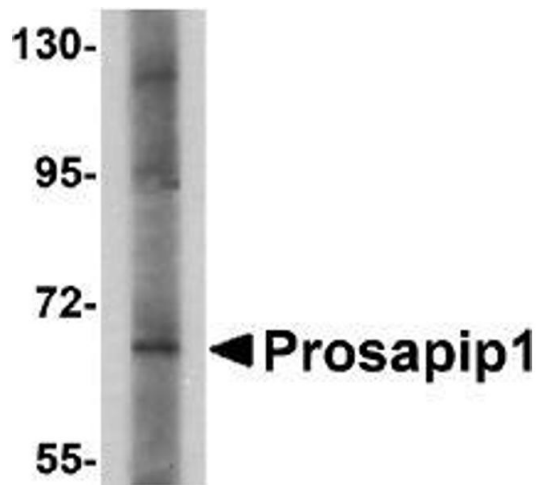
Storage: 4 °C

Storage Comment: Store the antibody undiluted at 2-8 °C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of Prosapip1 in Rat brain tissue with AP30693PU-N Prosapip1 antibody at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of Prosapip1 in SK-N-SH cell lysate with AP30693PU-N Prosapip1 antibody at 1 µg/ml.