

## Prosapip1 Antibody

Catalog No: #24968

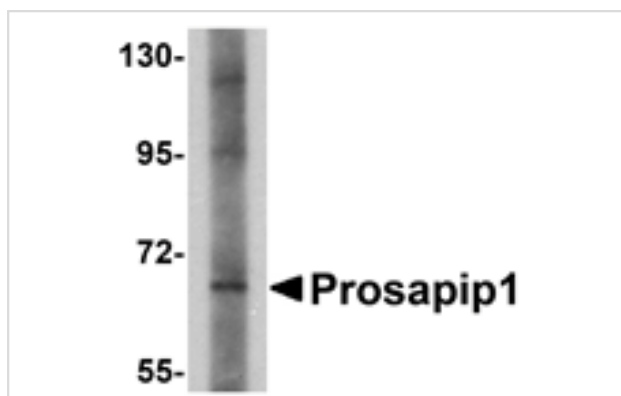
Package Size: #24968 100ul

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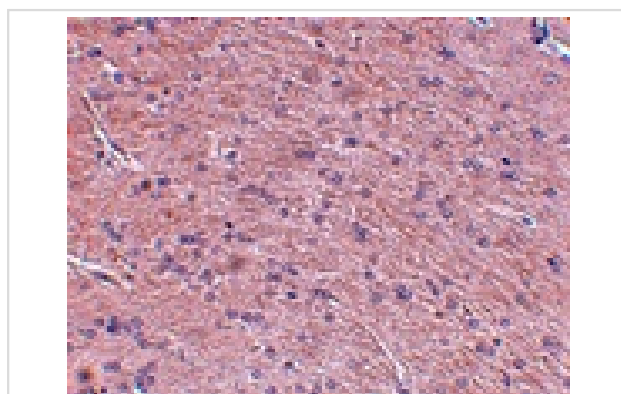
## Description

Product Name	Prosapip1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Human;Mouse;Rat
Immunogen Type	Peptide
Immunogen Description	Raised against a 16 amino acid peptide from near the carboxy terminus of human Prosapip1.
Conjugates	Unconjugated
Target Name	Prosapip1
Other Names	Proline-rich synapse-associated protein-interacting protein 1
Accession No.	NP_055546
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

## Images



Western blot analysis of Prosapip1 in SK-N-SH cell lysate with Prosapip1 antibody at 1 ug/mL.



Immunohistochemistry of Prosapip1 in rat brain tissue with Prosapip1 antibody at 2.5 ug/mL.

## Background

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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 $\beta$ '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  $\beta$  Fezzins $\beta$ . 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.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.