BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Prosapip1 LZTS3 Antibody

Catalog Number: A14930

About PROSAPIP1

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.

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Overview

Product Name	Anti-Prosapip1 LZTS3 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Prosapip1 LZTS3 Antibody (Catalog # A14930). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	Prosapip1 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	Prosapip1 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	O60299

Technical Details

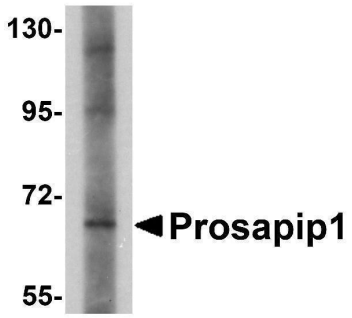
Immunogen	Prosapip1 antibody was raised against a 16 amino acid synthetic peptide from near the carboxy terminus of human Prosapip1. The immunogen is located within amino acids 590 - 640 of Prosapip1.
Predicted Reactive Species	Bovine

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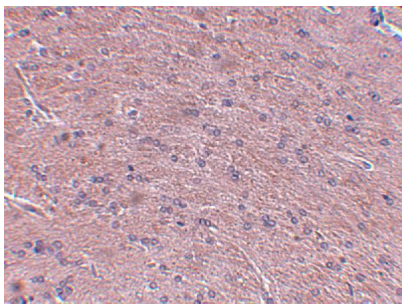
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	Prosapip1 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	Prosapip1 antibody can be used for detection of Prosapip1 by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in rat samples and Immunofluorescence in rat samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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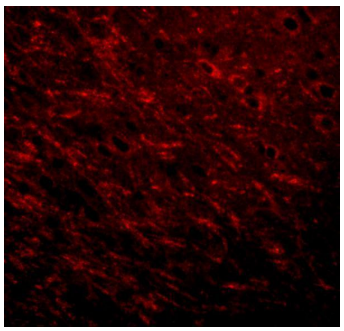
Anti-Prosapip1 LZTS3 Antibody (A14930) Images



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.



Immunofluorescence of Prosapip 1 in rat brain tissue with Prosapip 1 antibody at 20 ug/mL.

Anti-Prosapip1 LZTS3 Antibody

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