

Anti-Prosapip2 TBKBP1 Antibody

Catalog Number: A10984

About TBKBP1

Prosapip2 (TBKBP1) is essential for signal transduction during viral infection thus plays a major role in the TNF/NF-kappaB pathway. It is an adaptor protein that constitutively binds TBK1 (TANK-binding kinase) and IKBKE and may play a role in antiviral innate immunity. Prosapip2 is a 615 amino acid adaptor protein belonging to the fibrillar collagen family, consisting of trimers of identical alpha 1 chains which are linked to each other by interchain disulfide bonds. It has a ubiquitous expression with highest levels in ovary, followed by the neuronal system. Prosapip2 binds to TBK1 and helps in the activation of IRF3 which controls the expression of antiviral genes during infection. Recent studies show that Prosapip2 is an interaction partner of ProSAP2/Shank3 and actin, suggesting a role as a linker molecule between postsynaptic density and the cytoskeleton.

Overview

Product Name	Anti-Prosapip2 TBKBP1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Prosapip2 TBKBP1 Antibody (Catalog # A10984). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	Prosapip2 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	Prosapip2 antibody can be stored at 4°C for three months and -20°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	A7MCY6

Technical Details

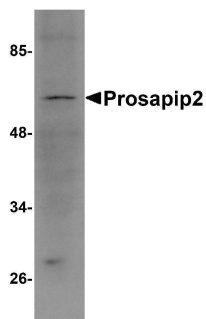
Immunogen	Prosapip2 antibody was raised against a 16 amino acid synthetic peptide from near the carboxy terminus of human Prosapip2. The immunogen is located within amino acids 500 - 550 of Prosapip2.
Predicted Reactive Species	Chicken, Rat
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	Prosapip2 Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

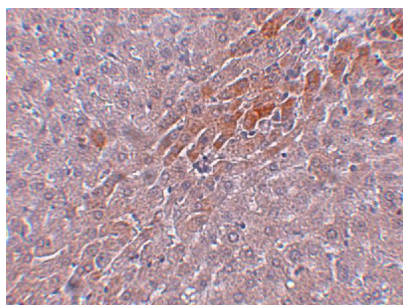
Prosapip2 antibody can be used for detection of Prosapip2 by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL.

Antibody validated: Western Blot in rat 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.

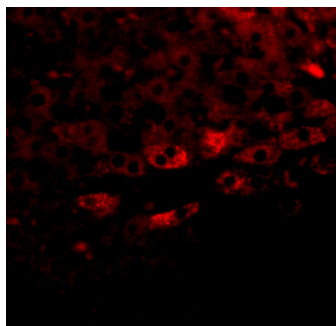
Anti-Prosapip2 TBKBP1 Antibody (A10984) Images



Western blot analysis of Prosapip2 in rat liver tissue lysate with Prosapip2 antibody at 1 ug/mL.



Immunohistochemistry of Prosapip2 in rat liver tissue with Prosapip2 antibody at 5 ug/mL.



Immunofluorescence of Prosapip 2 in rat liver tissue with Prosapip 2 antibody at 20 ug/mL.

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Anti-Prosapip2 TBKBP1 Antibody

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