

Product datasheet for **TA306842**

TBKBP1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 ug/mL, ICC: 5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Prosapip2 antibody was raised against a 16 amino acid peptide from near the carboxy terminus of human Prosapip2.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	TBK1 binding protein 1
Database Link:	NP_055541 Entrez Gene 73174 Mouse Entrez Gene 266764 Rat Entrez Gene 9755 Human A7MCY6



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Background:

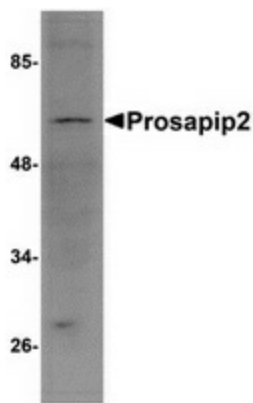
Prosapip2 (TBKBP1) is essential for signal transduction during viral infection thus plays a major role in the TNF/NF-kappaB pathway. It is an adaptor protein that constitutively binds TBK1 (TANK-binding kinase) and IKBKE and may play a role in antiviral innate immunity. Prosapip2 is a 615 amino acid 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.

Synonyms:

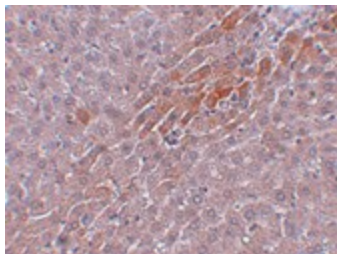
ProSAPiP2; SINTBAD

Protein Pathways:

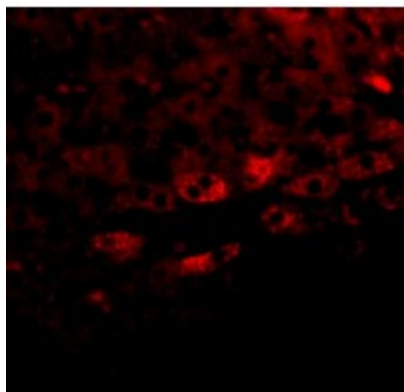
RIG-I-like receptor signaling pathway

Product 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.