

Prosapip2 Polyclonal Antibody

Catalog NumberPA5-20814

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Mouse, Rat
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (IHC)	5 µg/mL
Type	Antibody	Western Blot (WB)	1 µg/mL
Immunogen	A 16 amino acid peptide from near the carboxy terminus of human Prosapip2.	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.02% sodium azide		
Storage Conditions	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C		

Product specific information

A suggested positive control is rat liver tissue lysate. PA5-20814 can be used with blocking peptide PEP-0928.

Background/Target Information

Prosapip2 (TBKBP1) is essential for signal transduction during viral infection thus plays a major role in the TNF/NF-kappa-B 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.

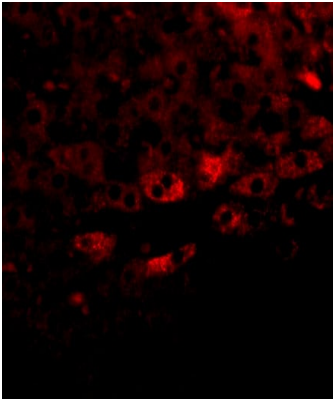
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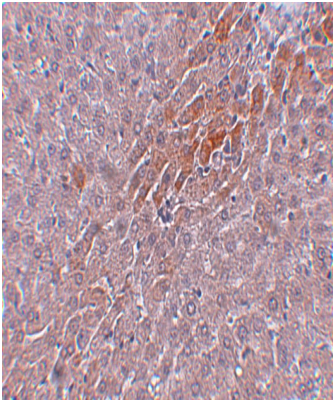
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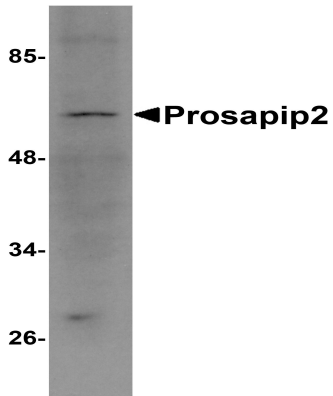
Product Images For Prosapip2 Polyclonal Antibody



**Prosapip2 Antibody (PA5-20814) in IHC**  
Immunofluorescence of Prosapip 2 in rat liver tissue with Prosapip2 Polyclonal Antibody (Product # PA5-20814) at 20  $\mu\text{g/mL}$ .



**Prosapip2 Antibody (PA5-20814) in IHC**  
Immunohistochemistry of Prosapip2 in rat liver tissue with Prosapip2 Polyclonal Antibody (Product # PA5-20814) at 5  $\mu\text{g/mL}$ .



**Prosapip2 Antibody (PA5-20814) in WB**  
Western Blot analysis of Prosapip2 in rat liver tissue lysate with Prosapip2 Polyclonal Antibody (Product # PA5-20814) at 1  $\mu\text{g/mL}$ .

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