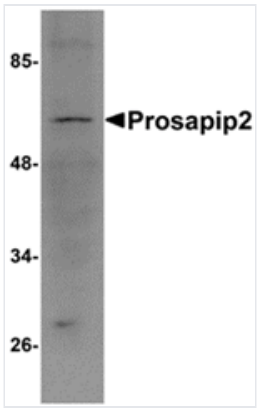
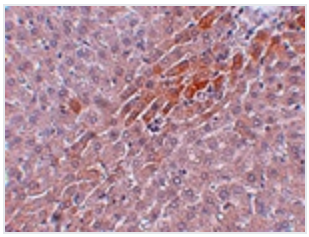
Prosapip2 (TBKBP1) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Prosapip2 (TBKBP1), Polyclonal Antibody
Full Product Name	Prosapip2 Antibody
Product Gene Name	anti-TBKBP1 antibody
Product Synonym Names	TANK-binding kinase 1-binding protein, TBK1-binding protein 1, TBKBP1, SINTBAD
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Purity/Purification	Affinity chromatography purified via peptide column
Preparation and Storage	Can be stored at -20 degree 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.
Molecular Weight	25,043 Da
OMIM	608476
Immunogen Type	Peptide
Immunogen Description	Raised against a 16 amino acid peptide from near the carboxy terminus of human Prosapip2.
Target Name	Prosapip2
Product Categories/Family for anti-TBKBP1 antibody	Total protein Ab
Applications Tested/Suitable for anti-TBKBP1 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Related Product Information for anti-TBKBP1 antibody	Prosapip2 (TBKBP1) is essential for signal transduction during viral infection thus plays a major role in the TNF/NF-kB 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.
Other Notes	Small volumes of anti-TBKBP1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TBKBP1 purchase	MBS9412621 is an antibody targeting TBKBP1. Also known as Prosapip2 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-TBKBP1 antibody
Western blot analysis of Prosapip2 in rat liver tissue lysate with Prosapip2 antibody at 1 ug/mL.



Immunohistochemistry (IHC) of anti-TBKBP1 antibody
Immunohistochemistry of Prosapip2 in rat liver tissue with Prosapip2 antibody at 5 ug/mL.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TBKBP1. It may not necessarily be applicable to this product.

NCBI GI #	7662302
NCBI GeneID	9755
NCBI Accession #	NP_055541
UniProt Secondary Accession #	O94873; Q14DW3; B2RZG6
UniProt Related Accession #	A7MCY6
GenBank Nucleotide #	NM_014726.2
NCBI Official Full Name	TANK-binding kinase 1-binding protein 1
NCBI Official Synonym Full Names	TBK1 binding protein 1
NCBI Official Symbol	TBKBP1
NCBI Official Synonym Symbols	SINTBAD; ProSAPiP2
UniProt Protein Name	TANK-binding kinase 1-binding protein 1
Protein Family	TANK-binding kinase 1-binding protein
UniProt Gene Name	TBKBP1
UniProt Synonym Gene Names	TBK1-binding protein 1
UniProt Entry Name	TBKB1_HUMAN
NCBI Protein Information	TANK-binding kinase 1-binding protein 1
NCBI Summary for TBKBP1	TBKBP1 is an adaptor protein that binds to TBK1 (MIM 604834) and is part of the interaction network in the TNF (MIM 191160)/NFKB (see MIM 164011) pathway (Bouwmeester et al., 2004 [PubMed 14743216]).[supplied by OMIM, Mar 2008]
UniProt Comments for TBKBP1	TBKBP1: Adapter protein which constitutively binds TBK1 and IKBKE and may play a role in antiviral innate immunity. Homodimer. May form a heterodimer with NAP1. Interacts with TKB1 and IKBKE. 2 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 17q21.32 Molecular Function: protein binding Biological Process: innate immune response

Research Articles on TBKBP1	**1.** TBKBP1 is associated with the severity of ankylosing spondylitis in the Chinese Han population
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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