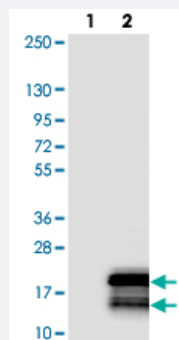


TYROBP polyclonal antibody

Catalog # PAB23872 Size 100 uL

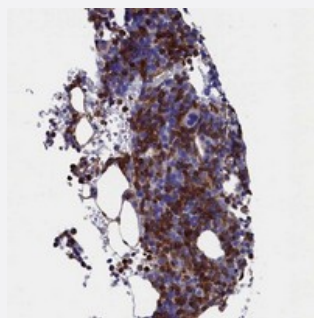
Applications



Western Blot (Transfected lysate)

Western blot analysis of Lane 1: Negative control (vector only transfected HEK293T lysate).

Lane 2: Over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells with TYROBP polyclonal antibody (Cat # PAB23872).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human bone marrow with TYROBP polyclonal antibody (Cat # PAB23872) shows strong cytoplasmic positivity in hematopoietic cells.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant TYROBP.
Immunogen	Recombinant protein corresponding to amino acids of human TYROBP.
Sequence	FLGRLVPRGRGAAEAATRKQRITETESPYQELQGQRSDVYSDLNTQRPYYK
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification

Isotype	IgG
Recommend Usage	Immunohistochemistry (1:200-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western blot analysis of Lane 1: Negative control (vector only transfected HEK293T lysate).

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Gene Info — TYROBP

Entrez GeneID	7305
Protein Accession#	O43914
Gene Name	TYROBP
Gene Alias	DAP12, KARAP, PLOSL
Gene Description	TYRO protein tyrosine kinase binding protein
Omim ID	221770 604142
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a transmembrane signaling polypeptide which contains an immunoreceptor tyrosine-based activation motif (ITAM) in its cytoplasmic domain. The encoded protein may associate with the killer-cell inhibitory receptor (KIR) family of membrane glycoproteins and may act as an activating signal transduction element. This protein may bind zeta-chain (TCR) associated protein kinase 70kDa (ZAP-70) and spleen tyrosine kinase (SYK) and play a role in signal transduction, bone modeling, brain myelination, and inflammation. Mutations within this gene have been associated with polycystic lipomembranous osteodysplasia with sclerosing leukoencephalopathy (PLOS), also known as Nasu-Hakola disease. Its putative receptor, triggering receptor expressed on myeloid cells 2 (TREM2), also causes PLOS. Two alternative transcript variants encoding distinct isoforms have been identified for this gene. Other alternative splice variants have been described, but their full-length nature has not been determined. [provided by RefSeq]

Other Designations

DNAX-activation protein 12|killer activating receptor associated protein

Pathway

- [Natural killer cell mediated cytotoxicity](#)

Disease

- [Brain Diseases](#)
- [Demyelinating Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Multiple Sclerosis](#)
- [Ovarian Neoplasms](#)