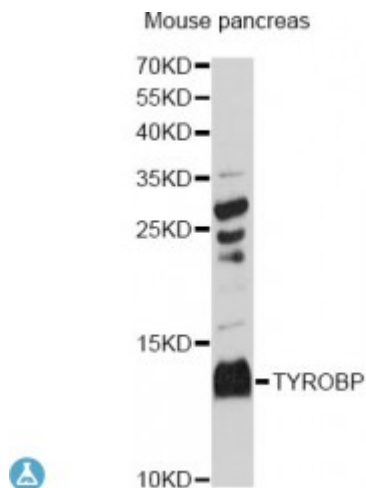


Anti-TYROBP Antibody



Description

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 (PLOSL), also known as Nasu-Hakola disease. Its putative receptor, triggering receptor expressed on myeloid cells 2 (TREM2), also causes PLOSL. Multiple alternative transcript variants encoding distinct isoforms have been identified for this gene.

Model	STJ116994
Host	Rabbit
Reactivity	Mouse, Rat
Applications	WB
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 50 to the C-terminus of human TYROBP (NP_003323.1).
Gene ID	7305
Gene Symbol	TYROBP
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Expressed at low levels in the early development of the hematopoietic system

and in the promonocytic stage and at high levels in mature monocytes, Expressed in hematological cells and tissues such as peripheral blood leukocytes and spleen, Also found in bone marrow, lymph nodes, placenta, lung and liver, Expressed at lower levels in different parts of the brain especially in the basal ganglia and corpus callosum

Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	TYRO protein tyrosine kinase-binding protein DNAX-activation protein 12 Killer-activating receptor-associated protein KAR-associated protein
Molecular Weight	12.179 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:12449 OMIM:221770 Reactome:R-HSA-198933
Alternative Names	TYRO protein tyrosine kinase-binding protein DNAX-activation protein 12 Killer-activating receptor-associated protein KAR-associated protein
Function	Non-covalently associates with activating receptors of the CD300 family, Cross-linking of CD300-TYROBP complexes results in cellular activation, Involved for instance in neutrophil activation mediated by integrin
Cellular Localization	Membrane
Post-translational Modifications	Tyrosine phosphorylated