

Rabbit anti-Human TYROBP Polyclonal Antibody | anti-TYROBP antibody

TYROBP Antibody

CATALOG # AAA327017	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

TYROBP; Polyclonal Antibody; TYROBP Antibody; DAP 12; DAP12; DNAX activation protein 12; DNAX-activation protein 12; KAR-associated protein; KARAP; Killer activating receptor associated protein; Killer-activating receptor-associated protein; PLOSL; TYOBP_HUMAN; TYRO protein tyrosine kinase binding protein; TYRO protein tyrosine kinase-binding protein; anti-TYROBP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	TYROBP antibody detects endogenous levels of total TYROBP
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	102
Applicable Applications for anti-TYROBP antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TYROBP
Subcellular Location	Membrane.
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.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (92%), Horse (100%), Sheep (92%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of SK-SEP1, using TYROBP antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA327017 at 1/100 staining Human Head and neck cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

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

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.

Subunit Structure: Homodimer; disulfide-linked (PubMed:20890284). Interacts with SIRPB1 and TREM1 (PubMed:10799849). Interacts with CLECSF5 (PubMed:10449773). Interacts with SIGLEC14 (PubMed:17012248). Interacts with CD300LB and CD300E (PubMed:15557162, PubMed:16920917, PubMed:17928527). Interacts with CD300D (By similarity). Interacts (via ITAM domain) with SYK (via SH2 domains); activates SYK mediating neutrophils and macrophages integrin-mediated activation (By similarity). Interacts with KLRC2, KIR2DS3 and KIR2DS5 (PubMed:18624290, PubMed:20890284).

Post-translational Modifications: Tyrosine phosphorylated.

Similarity: Belongs to the TYROBP family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	291045272
NCBI GeneID	7305
NCBI Accession #	NP_001166985.1
NCBI GenBank Nucleotide #	NM_001173514.1
UniProt Accession #	O43914; Q6FGA5; Q9UMT3; A8K2X0; F5H389
Molecular Weight	Observed: 12 kDa Predicted: 13 kDa
NCBI Official Full Name	TYRO protein tyrosine kinase-binding protein isoform 3
NCBI Official Synonym Full Names	TYRO protein tyrosine kinase binding protein
NCBI Official Symbol	TYROBP
NCBI Official Synonym Symbols	DAP12; KARAP; PLOSL
NCBI Protein Information	TYRO protein tyrosine kinase-binding protein
UniProt Protein Name	TYRO protein tyrosine kinase-binding protein
UniProt Gene Name	TYROBP
UniProt Synonym Gene Names	DAP12; KARAP; KAR-associated protein

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/tyrobp-antibody-immunohistochemistry-western-blot-elisa/327017>