

Rabbit TYROBP Polyclonal Antibody | anti-TYROBP antibody

TYROBP Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290152	Rabbit	Human (Predicted Reactivity: Bovine)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

TYROBP; Polyclonal Antibody; TYROBP Antibody (C-term); TYRO protein tyrosine kinase-binding protein; DNAX-activation protein 12; Killer-activating receptor-associated protein; KAR-associated protein; DAP12; KARAP; anti-TYROBP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TYROBP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 85-113 amino acids from the C-terminal region of human TYROBP.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	85-113
Sequence Length	102
Applicable Applications for anti-TYROBP antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

TYROBP Antibody (C-term) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

TYROBP Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the TYROBP Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of TYROBP Antibody (C-term) in HepG2 cell line lysates (35ug/lane).
TYROBP (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-TYROBP antibody	TYROBP 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.
Product Categories/Family for anti-TYROBP antibody	Signal Transduction
References	Chen, X., et al. Blood 113(14):3226-3234(2009) Sulonen, A.M., et al. J. Neuroimmunol. 206 (1-2), 86-90 (2009) Lanier, L.L. Immunol. Rev. 227(1):150-160(2009) Schleinitz, N., et al. PLoS ONE 4 (7), E6264 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	291045272
NCBI GeneID	7305
NCBI Accession #	NP_001166985.1; NP_003323.1; NP_937758.1
NCBI GenBank Nucleotide #	NM_001173514.1
UniProt Accession #	O43914; Q6FGA5; Q9UMT3; A8K2X0; F5H389
Molecular Weight	12179
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
UniProt Entry Name	TYOBP_HUMAN

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.