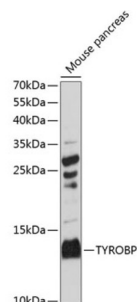


## TYRO Protein Tyrosine Kinase Binding Protein (TYROBP) Antibody

Catalogue No.: abx004123



Western blot analysis of extracts of mouse pancreas using TYROBP Antibody (1/3000 dilution).

TYROBP Antibody is a Rabbit Polyclonal antibody against TYROBP. 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.

**Target:** TYRO Protein Tyrosine Kinase Binding Protein (TYROBP)

**Clonality:** Polyclonal

**Reactivity:** Mouse, Rat

**Tested Applications:** WB

**Host:** Rabbit

**Recommended dilutions:** WB: 1/500 - 1/2000. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:** Unconjugated

**Immunogen:** A synthetic peptide corresponding to human TYROBP

**Isotype:** IgG

**Form:** Liquid

**Purification:** Purified by affinity chromatography.

**Storage:** Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

# Datasheet

Version: 5.0.0

Revision date: 29 Aug 2025



**UniProt Primary AC:** O43914 ([UniProt](#), [ExPASy](#))

**Gene Symbol:** TYROBP

**GeneID:** [7305](#)

**NCBI Accession:** NP\_003323.1

**KEGG:** hsa:7305

**String:** [9606.ENSP00000262629](#)

**Molecular Weight:** Calculated MW: 11 kDa/12 kDa  
Observed MW: 12 kDa

**Buffer:** PBS, pH 7.3, containing 0.01% thiomersal, 50% glycerol.

**Concentration:** 1 mg/ml

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only