

# TYROBP Rabbit pAb

**Catalog No.: A14794**

## Basic Information

**Observed MW**

12kDa

**Calculated MW**

12kDa

**Category**

Primary antibody

**Applications**

ELISA, WB

**Cross-Reactivity**

Mouse, Rat

## Background

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.

## Recommended Dilutions

**WB** 1:500 - 1:2000

## Immunogen Information

**Gene ID**

7305

**Swiss Prot**

O43914

**Immunogen**

A synthetic peptide corresponding to a sequence within amino acids 1-113 of human TYROBP (NP\_003323.1).

**Synonyms**

DAP12; KARAP; PLOSL; PLOSL1; TYROBP

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

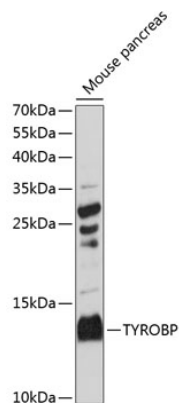
**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of lysates from mouse pancreas, using TYROBP Rabbit pAb (A14794) at 1:3000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.