

Datasheet for ABIN6291980  
**anti-TYROBP antibody**



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1 Image

## Overview

Quantity:	20 µL
Target:	TYROBP
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TYROBP antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	A synthetic peptide of human TYROBP
Isotype:	IgG
Purification:	Affinity purification

## Target Details

Target:	TYROBP
Alternative Name:	TYROBP ( <a href="#">TYROBP Products</a> )
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 70 kDa (ZAP-70) and spleen tyrosine kinase (SYK) and play a role in

## Target Details

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.

Molecular Weight: 12.179 kDa

Gene ID: 7305

UniProt: [O43914](#)

## Application Details

Application Notes: WB 1:500 - 1:2000

Comment: 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

Restrictions: For Research Use only

## Handling

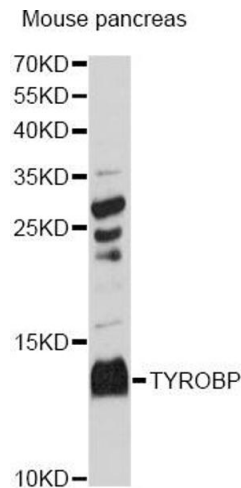
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20C. Avoid freeze / thaw cycles.



Western Blotting

**Image 1.** Western blot analysis of extracts of mouse pancreas, using TYROBP antibody (ABIN6291980) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.