

For Research Use Only

# TYROBP/DAP12 Polyclonal antibody, PBS Only

Catalog Number: 28138-1-PBS

Featured Product



## Basic Information

Catalog Number:

28138-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG27252

GenBank Accession Number:

BC011175

GeneID (NCBI):

7305

UNIPROT ID:

O43914

Full Name:

TYRO protein tyrosine kinase binding protein

Calculated MW:

12 kDa

Observed MW:

10-12 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

## Background Information

TYROBP, also known as DAP12 or KARAP, is a transmembrane protein consisting of a very small extracellular region, a transmembrane domain containing an aspartic acid residue critical for association with its partner subunits, and an intracellular domain with a single immunoreceptor tyrosine-based activation motif (ITAM) (PMID: 11114420). It is expressed as a disulfide-bonded homodimer on natural killer cells, myeloid cells and a subset of T cells (PMID: 11114420). TYROBP acts as a signaling adaptor that provides signaling function via the Syk and ZAP-70 tyrosine kinase activation pathways (PMID: 15895090). The gene of TYROBP is located on the long arm of chromosome 19 at position 13.1. Multiple alternative transcript variants encoding distinct isoforms have been identified for this gene.

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

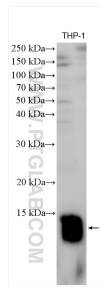
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

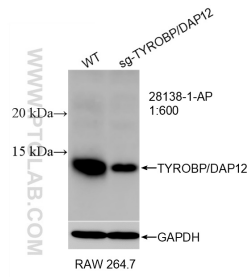
W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



THP-1 cells were subjected to SDS PAGE followed by western blot with 28138-1-AP (TYROBP / DAP12 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 28138-1-PBS in a different storage buffer formulation.



WB result of TYROBP/DAP12 antibody (28138-1-AP; 1:600; room temperature for 1.5 hours) with wild-type and sg-TYROBP/DAP12 transfected RAW 264.7 cells. This data was developed using the same antibody clone with 28138-1-PBS in a different storage buffer formulation.