

For Research Use Only

# TYROBP/DAP12 Polyclonal antibody, PBS Only

Catalog Number: 28138-1-PBS

Featured Product



## Basic Information

**Catalog Number:**

28138-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by  
Nanodrop;

**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.

**Storage Buffer:**

PBS only, pH7.3

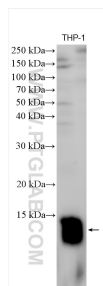
For technical support and original validation data for this product please contact:

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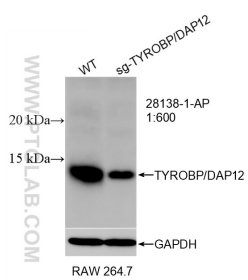
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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## 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.