

For Research Use Only

TYROBP/DAP12 Polyclonal antibody

Catalog Number: 28138-1-AP

1 Publications



Basic Information

Catalog Number:

28138-1-AP

Concentration:

500 ug/ml

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

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

mouse

Positive Controls:

WB: THP-1 cells,

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Yu Yang	39566407	Phytomedicine	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

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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.