

# TYROBP rabbit monoclonal antibody

Catalog # H00007305-K

Size 100 ug x up to 3

## Specification

|                                |  |
|--------------------------------|--|
| <b>Product Description</b>     | Rabbit monoclonal antibody raised against a human TYROBP peptide using ARM Technology.   |
| <b>Immunogen</b>               | A synthetic peptide of human TYROBP is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.   |
| <b>Host</b>                    | Rabbit   |
| <b>Library Construction</b>    | Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).   |
| <b>Expression</b>              | Overexpression vector and transfection into 293H cell line.  |
| <b>Reactivity</b>              | Human  |
| <b>Purification</b>            | Protein A  |
| <b>Isotype</b>                 | IgG  |
| <b>Quality Control Testing</b> | Antibody reactive against human TYROBP peptide by ELISA and mammalian transfected lysate by Western Blot.  |
| <b>Storage Buffer</b>          | In 1x PBS, pH 7.4  |
| <b>Storage Instruction</b>     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.   |
| <b>Deliverable</b>             | Up to three rabbit IgG clones of 100 ug each will be delivered to customer.  |
| <b>Note</b>                    | 1. Customer may provide cell or tissue lysate for antibody screening.<br>2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request. |

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — TYROBP

|                     |   |
|---------------------|---|
| Entrez GeneID       | <a href="#">7305</a>  |
| GeneBank Accession# | <a href="#">TYROBP</a>  |
| Gene Name           | TYROBP  |
| Gene Alias          | DAP12, KARAP, PLOSL   |
| Gene Description    | TYRO protein tyrosine kinase binding protein  |
| Omim ID             | <a href="#">221770 604142</a>   |
| Gene Ontology       | <a href="#">Hyperlink</a>   |
| Gene Summary        | <p>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. Two alternative transcript variants encoding distinct isoforms have been identified for this gene. Other alternative splice variants have been described, but their full-length nature has not been determined. [provided by RefSeq]</p> |
| Other Designations  | DNAX-activation protein 12 killer activating receptor associated protein  |

## Pathway

- [Natural killer cell mediated cytotoxicity](#)

## Disease

- [Brain Diseases](#)
- [Demyelinating Diseases](#)
- [Genetic Predisposition to Disease](#)

- [Multiple Sclerosis](#)
- [Ovarian Neoplasms](#)