

## ARG41392 anti-TYROBP / DAP12 antibody

Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes TYROBP / DAP12
Tested Reactivity	Hu, Ms
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TYROBP / DAP12
Species	Human
Immunogen	Synthetic peptide around the middle region of Human TYROBP / DAP12. (within the following region: IALAVYFLGRLVPRGRGAAEAATRKQRITETESPYQELQGQRSDVYSDLN)
Conjugation	Un-conjugated
Alternate Names	TYRO protein tyrosine kinase-binding protein; DNAX-activation protein 12; DAP12; PLOSL; KARAP; KAR-associated protein; Killer-activating receptor-associated protein

### Application Instructions

Application table	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>WB</td><td>1 µg/ml</td></tr> </table>	Application	Dilution	WB	1 µg/ml
Application	Dilution				
WB	1 µg/ml				
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				
Positive Control	HepG2				
Observed Size	~ 16 kDa				

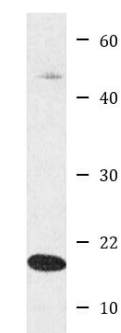
### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.
Preservative	0.09% (w/v) Sodium azide
Stabilizer	2% Sucrose
Concentration	Batch dependent: 0.5 - 1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

## Bioinformation

Gene Symbol	TYROBP
Gene Full Name	TYRO protein tyrosine kinase binding protein
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 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. Multiple alternative transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Mar 2010]
Function	Non-covalently associates with activating receptors of the CD300 family. Cross-linking of CD300-TYROBP complexes results in cellular activation. Involved for instance in neutrophil activation mediated by integrin. [UniProt]
Calculated Mw	12 kDa
PTM	Tyrosine phosphorylated. [UniProt]
Cellular Localization	Membrane; Single-pass type I membrane protein. [UniProt]

## Images



HepG2

ARG41392 anti-TYROBP / DAP12 antibody WB image

Western blot: HepG2 whole cell lysate stained with ARG41392 anti-TYROBP / DAP12 antibody at 1 µg/ml dilution.



Mouse testis

ARG41392 anti-TYROBP / DAP12 antibody WB image

Western blot: Mouse testis lysate stained with ARG41392 anti-TYROBP / DAP12 antibody at 1 µg/ml dilution.