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Datasheet for ABIN955408

## anti-TYROBP antibody (C-Term)

### 3 Images

#### Overview

Quantity:	0.4 mL
Target:	TYROBP
Binding Specificity:	AA 84-113, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TYROBP antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

#### Product Details

Immunogen:	KLH conjugated synthetic peptide between 84~113 amino acids from the C-terminal region of human TYROBP
Isotype:	Ig Fraction
Specificity:	This antibody detects TYROBP / DAP12 (C-term).
Cross-Reactivity (Details):	Species reactivity (tested):Human
Purification:	Protein A column followed by peptide affinity purification

#### Target Details

Target:	TYROBP
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## Target Details

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Alternative Name: TYROBP / DAP12 ([TYROBP Products](#))

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Background: TYROBP 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 70 kDa (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. Synonyms: DNAX-activation protein 12, KARAP, Killer-activating receptor-associated protein, TYRO protein tyrosine kinase-binding protein

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Gene ID: 7305

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NCBI Accession: [NP\\_003323](#)

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## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 0.25 mg/mL

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Buffer: PBS with 0.09 % (W/V) sodium azide

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Preservative: Sodium azide

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Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Handling Advice: Avoid repeated freezing and thawing.

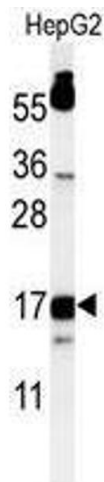
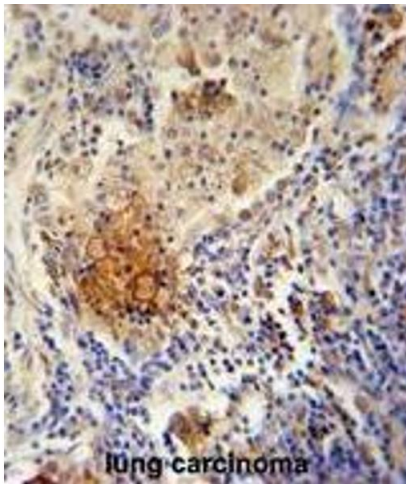
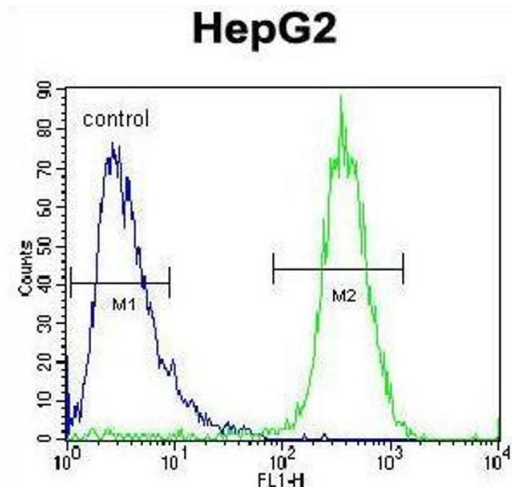
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Storage: 4 °C/-20 °C

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Storage Comment: Store at 2 - 8 °C for up to six months or (in aliquots) at -20 °C for longer.

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### Flow Cytometry

**Image 1.** TYROBP Antibody (C-term) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** TYROBP Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the TYROBP Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

### Western Blotting

**Image 3.** Western blot analysis of TYROBP Antibody (C-term) in HepG2 cell line lysates (35 µg/lane). TYROBP (arrow) was detected using the purified Pab.