

Datasheet for ABIN653819
anti-TYROBP antibody (C-Term)

3 Images

[Go to Product page](#)

Overview

| | |
|----------------------|---|
| Quantity: | 400 µL |
| Target: | TYROBP |
| Binding Specificity: | AA 85-113, 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)) |

Product Details

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|-----------------------|---|
| Immunogen: | This TYROBP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 85-113 amino acids from the C-terminal region of human TYROBP. |
| Clone: | RB22347 |
| Isotype: | IgG |
| Predicted Reactivity: | B |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

Target Details

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|---------|--------|
| Target: | TYROBP |
|---------|--------|

Target Details

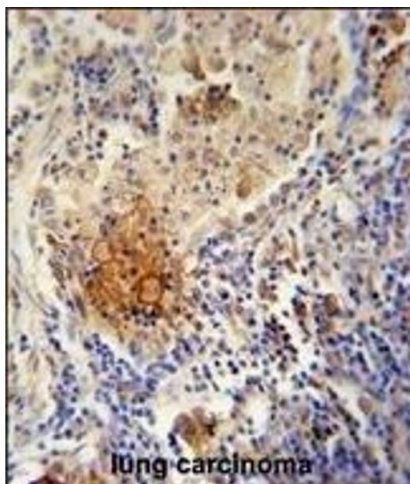
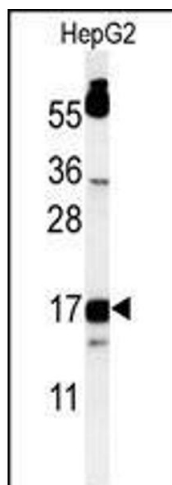
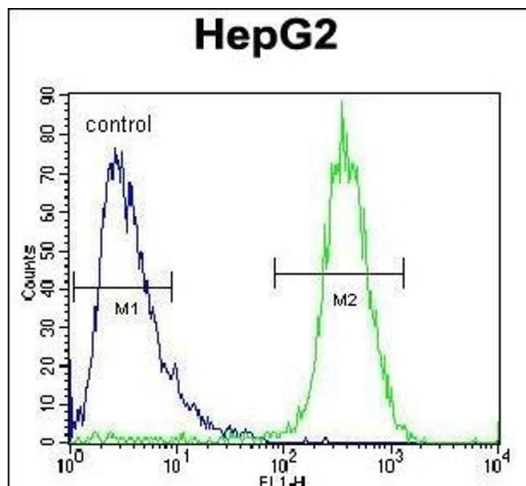
| | |
|-------------------|---|
| Alternative Name: | TYROBP (TYROBP Products) |
| Background: | TYROBP encodes a transmembrane signaling polypeptide which contains an immunoreceptor tyrosine-based activation motif (ITAM) in its cytoplasmic domain. The encoded protein may associate with the killer-cell 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. |
| Molecular Weight: | 12179 |
| Gene ID: | 7305 |
| NCBI Accession: | NP_001166985 , NP_003323 , NP_937758 |
| UniProt: | O43914 |

Application Details

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| Application Notes: | WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50 |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles. |
| Expiry Date: | 6 months |



Flow Cytometry

Image 1. TYROBP Antibody (C-term) (ABIN653819 and ABIN2843091) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control (Rabbit IgG alone) (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. Western blot analysis of TYROBP Antibody (C-term) (ABIN653819 and ABIN2843091) in HepG2 cell line lysates (35 µg/lane). TYROBP (arrow) was detected using the purified Pab.

Immunohistochemistry (Paraffin-embedded Sections)

Image 3. TYROBP Antibody (C-term) (ABIN653819 and ABIN2843091) 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.