

Datasheet for ABIN7600306
anti-EIF3B antibody (AA 178-595)



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Overview

Quantity:	100 µg
Target:	EIF3B
Binding Specificity:	AA 178-595
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF3B antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-EIF3B Antibody Picoband®
Immunogen:	E.coli-derived human EIF3B recombinant protein (Position: Q178-K595). Human EIF3B shares 99.3% amino acid (aa) sequence identity with both mouse and rat EIF3B.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Anti-EIF3B Antibody Picoband® (ABIN7600306). Tested in ELISA, IF, IHC, ICC, WB, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: EIF3B

Alternative Name: EIF3B ([EIF3B Products](#))

Background: Synonyms: 70 kDa ribosomal protein S6 kinase 1 antibody, KS6B1_HUMAN antibody, p70 alpha antibody, P70 beta 1 antibody, p70 ribosomal S6 kinase alpha antibody, p70 ribosomal S6 kinase beta 1 antibody, p70 S6 kinase alpha antibody, P70 S6 Kinase antibody, p70 S6 kinase alpha 1 antibody, p70 S6 kinase alpha 2 antibody, p70 S6K antibody, p70 S6K-alpha antibody, p70 S6KA antibody, p70(S6K) alpha antibody, p70(S6K)-alpha antibody, p70-alpha antibody, p70-S6K 1 antibody, p70-S6K antibody, P70S6K antibody, P70S6K1 antibody, p70S6Kb antibody, PS6K antibody, Ribosomal protein S6 kinase 70 kDa polypeptide 1 antibody, Ribosomal protein S6 kinase beta 1 antibody, Ribosomal protein S6 kinase beta-1 antibody, Ribosomal protein S6 kinase I antibody, RPS6KB1 antibody, S6K antibody, S6K-beta-1 antibody, S6K1 antibody, Serine/threonine kinase 14 alpha antibody, Serine/threonine-protein kinase 14A antibody, STK14A antibody

Tissue Specificity: Expressed in all tissues.

Background: EIF3B(Eukaryotic Translation Initiation Factor 3, Subunit B), also called PRT1 or EIF3-p116, is a protein that in humans is encoded by the EIF3B gene. By searching an EST database, Methot et al.(1997) identified a cDNA encoding a human Prt1 homolog. Asano et al.(1997) demonstrated that the 115-kD component of HeLa cell eIF3 is actually composed of 2 proteins, p116(PRT1) and an unrelated 110-kD protein. Chaudhuri et al.(1997) isolated cDNAs encoding PRT1, which they called p110 based on the size of the corresponding component of rabbit eIF3.

Molecular Weight: 115 kDa

Gene ID: 8662

UniProt: [P55884](#)

Pathways: [Ribonucleoprotein Complex Subunit Organization](#)

Application Details

Application Notes: Western blot, 0.25-0.5 µg/mL, Human
Immunohistochemistry, 2-5 µg/mL, Human, Mouse, Rat
Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human

Application Details

Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human

ELISA, 0.1-0.5 µg/mL, -

1. Asano, K., Kinzy, T. G., Merrick, W. C., Hershey, J. W. B. Conservation and diversity of eukaryotic translation initiation factor eIF3. J. Biol. Chem. 272: 1101-1109, 1997. 2. Chaudhuri, J., Chakrabarti, A., Maitra, U. Biochemical characterization of mammalian translation initiation factor 3 (eIF3): molecular cloning reveals that p110 subunit is the mammalian homologue of saccharomyces cerevisiae protein Prt1. J. Biol. Chem. 272: 30975-30983, 1997. 3. Methot, N., Rom, E., Olsen, H., Sonenberg, N. The human homologue of the yeast Prt1 protein is an integral part of the eukaryotic initiation factor 3 complex and interacts with p170. J. Biol. Chem. 272: 1110-1116, 1997.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na₂HPO₄.

Storage: 4 °C, -20 °C

Storage Comment: At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.