Datasheet for ABIN7600189

anti-EIF3E antibody (AA 160-241)

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Overview

Quantity:	100 µg
Target:	EIF3E
Binding Specificity:	AA 160-241
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This EIF3E antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-EIF3e Antibody Picoband® (monoclonal, 10F5H6)
Immunogen:	E.coli-derived human EIF3e recombinant protein (Position: A160-Q241). Human EIF3e shares 100% amino acid (aa) sequence identity with both mouse and rat EIF3e.
Clone:	10F5H6
Isotype:	IgG2b
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-EIF3e Antibody Picoband® (monoclonal, 10F5H6) (ABIN7600189). Tested in Flow Cytometry, WB 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:	EIF3E
Alternative Name:	EIF3E (EIF3E Products)
Background:	Synonyms: T-cell surface glycoprotein CD5, Lymphocyte antigen T1/Leu-1, CD5, CD5, LEU1 Tissue Specificity: Brain, liver, placenta, lymphocytes and erythrocytes. Background: Eukaryotic translation initiation factor 3 subunit E is a protein that in humans is encoded by the EIF3E gene. The human homolog of EIF3E is located on chromosome region 8q22-q23. It is composed of 13 exons that span 45 kb of genomic DNA. EIF3E is the component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis ts localization/assembly. The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNAi and eIF-5 to form the 43S pre-initiation complex (43S PIC). And the eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation.
Molecular Weight:	52 kDa
Gene ID:	3646
UniProt:	P60228
Pathways:	Ribonucleoprotein Complex Subunit Organization, Hepatitis C

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human 1. Asano K, Merrick WC, Hershey JW (October 1997). "The translation initiation factor eIF3-p48 subunit is encoded by int-6, a site of frequent integration by the mouse mammary tumor virus genome". J. Biol. Chem. 272 (38): 23477-80. 2. Miyazaki, S., Imatani, A., Ballard, L., Marchetti, A., Buttitta, F., Albertsen, H., Nevanlinna, H. A., Gallahan, D., Callahan, R. The chromosome location of the human homolog of the mouse mammary tumor-associated gene INT6 and its status in human breast carcinomas. Genomics 46: 155-158, 1997.

Application Details

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 and 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.