

Datasheet for ABIN7599950
anti-EIF4ENIF1 antibody (AA 13-985)



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Overview

Quantity:	100 µg
Target:	EIF4ENIF1
Binding Specificity:	AA 13-985
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF4ENIF1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-EIF4ENIF1 Antibody Picoband®
Immunogen:	E.coli-derived human EIF4ENIF1 recombinant protein (Position: D13-Q985).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-EIF4ENIF1 Antibody Picoband® (ABIN7599950). Tested in ELISA, 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.
Purification:	Immunogen affinity purified.

Target Details

Target:	EIF4ENIF1
Alternative Name:	EIF4ENIF1 (EIF4ENIF1 Products)
Background:	Synonyms: Spermine oxidase, Polyamine oxidase 1, PAO-1, PAOh1, Smox, Smo Tissue Specificity: Widely expressed. Isoform 1 and isoform 2 are expressed at higher level in brain and skeletal muscle. Isoform 7 is found in brain and spleen, isoform 10 is widely expressed but found at lower level in heart, kidney, liver and lung. Background: Eukaryotic translation initiation factor 4E transporter is a protein that in humans is encoded by the EIF4ENIF1 gene. The protein encoded by this gene is a nucleocytoplasmic shuttle protein for the translation initiation factor eIF4E. This shuttle protein interacts with the importin alpha-beta complex to mediate nuclear import of eIF4E. It is predominantly cytoplasmic, its own nuclear import is regulated by a nuclear localization signal and nuclear export signals. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	140 kDa
Gene ID:	56478

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Dostie, J., Ferraiuolo, M., Pause, A., Adam, S. A., Sonenberg, N. A novel shuttling protein, 4E-T, mediates the nuclear import of the mRNA 5-prime cap-binding protein, eIF4E. EMBO J. 19: 3142-3156, 2000.
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 Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C

Handling

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.