Datasheet for ABIN952048

anti-EIF3C antibody (N-Term)

3 Images

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Overview

Quantity:	0.4 mL
Target:	EIF3C
Binding Specificity:	AA 126-155, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF3C antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide between 126-155 amino acids from the N-terminal region of human EIF3CL
Isotype:	Ig Fraction
Specificity:	This antibody recognizes EIF3CL (N-term).
Cross-Reactivity (Details):	Species reactivity (expected):Bovine, Mouse, Rat. Species reactivity (tested):Human.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	EIF3C

Target Details

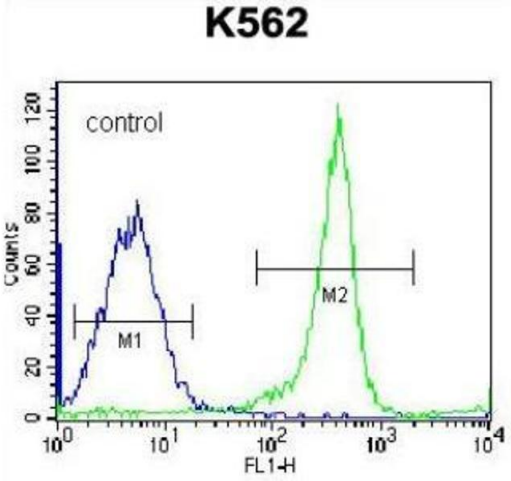
Alternative Name:	EIF3C / EIF3S8 (EIF3C Products)
Background:	Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis. The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNAi and eIF-5 to form the 43S preinitiation complex (43S PIC). 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 posttermination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation.Synonyms: Eukaryotic translation initiation factor 3 subunit 8, Eukaryotic translation initiation factor 3 subunit C, eIF3 p110
Molecular Weight:	105344 Da
Gene ID:	8663
NCBI Accession:	NP_001032897
Pathways:	Ribonucleoprotein Complex Subunit Organization

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

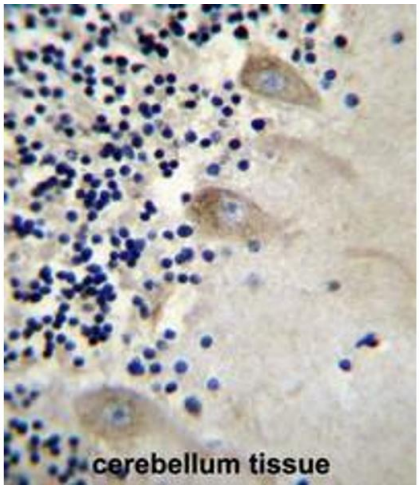
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



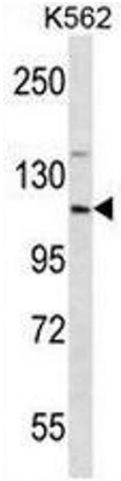
Flow Cytometry

Image 1. Flow Cytometric analysis of K562 cells using EIF3CL Antibody (N-term) Cat.-No AP51396PU-N (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. Immunohistochemistry analysis in formalin fixed and paraffin embedded human cerebellum tissue using EIF3CL Antibody (N-term) followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of EIF3CL Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 3. Western blot analysis using EIF3CL Antibody (N-term) Cat.-No AP51396PU-N in K562 cell line lysates (35µg/lane).This demonstrates the EIF3CL antibody detected the EIF3CL protein (arrow).