Datasheet for ABIN952042

anti-EIF2A antibody (Middle Region)

3 Images

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Overview

Quantity:	0.4 mL
Target:	EIF2A
Binding Specificity:	AA 444-473, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF2A antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 444~473 amino acids from the Central region of human EIF2A
Isotype:	Ig Fraction
Specificity:	This antibody reacts to EIF2A.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	EIF2A

Target Details

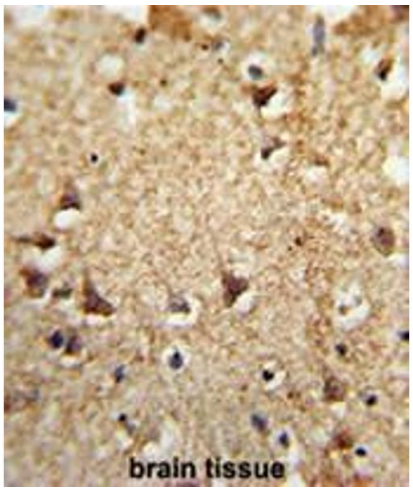
Alternative Name:	EIF2A (EIF2A Products)
Background:	EIF2A is a 65-kD protein that catalyzes the formation of puromycin-sensitive 80S preinitiation complexes (Zoll et al., 2002 [PubMed 12133843]).Synonyms: 65 kDa eukaryotic translation initiation factor 2A, CDA02, Eukaryotic translation initiation factor 2A, MSTP004, MSTP089, eIF-2A
Molecular Weight:	64990 Da
Gene ID:	83939
NCBI Accession:	NP_114414
Pathways:	Ribonucleoprotein Complex Subunit Organization, ER-Nucleus Signaling, Hepatitis C, Methionine Biosynthetic Process, Ribosome Assembly

Application Details

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

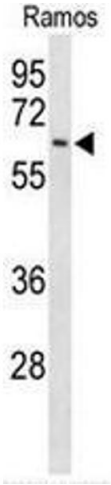
Handling

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.



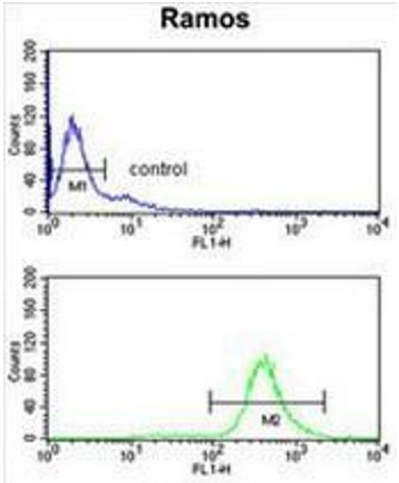
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human brain tissue reacted with EIF2A Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of EIF2A Antibody (Center) in Ramos cell line lysates (35µg/lane). EIF2A (arrow) was detected using the purified Pab.



Flow Cytometry

Image 3. EIF2A Antibody (Center) flow cytometry analysis of Ramos cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.