Datasheet for ABIN952044

anti-EIF2B4 antibody (Middle Region)

3 Images

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Overview

Quantity:	0.4 mL
Target:	EIF2B4
Binding Specificity:	AA 153-183, Middle Region
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF2B4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 153-183 amino acids from the Central region of human EIF2B4
Isotype:	Ig Fraction
Specificity:	This antibody reacts to EIF2B4.
Cross-Reactivity (Details):	Species reactivity (tested):Human and Mouse.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	EIF2B4

Target Details

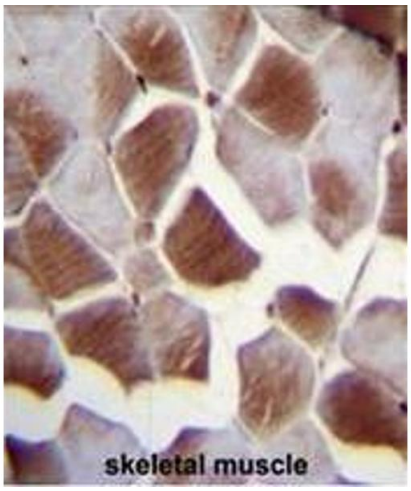
Alternative Name:	EIF2B4 / EIF2BD (EIF2B4 Products)
Background:	Eukaryotic initiation factor 2B (EIF2B), which is necessary for protein synthesis, is a GTP exchange factor composed of five different subunits. The protein encoded by this gene is the fourth, or delta, subunit. Defects in this gene are a cause of leukoencephalopathy with vanishing white matter (VWM) and ovarioleukodystrophy. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq].Synonyms: Translation initiation factor eIF-2B subunit delta, eIF-2B GDP-GTP exchange factor subunit delta
Molecular Weight:	57557 Da
Gene ID:	8890
NCBI Accession:	NP_001029288
Pathways:	Methionine Biosynthetic Process

Application Details

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

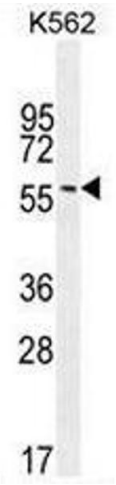
Handling

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.



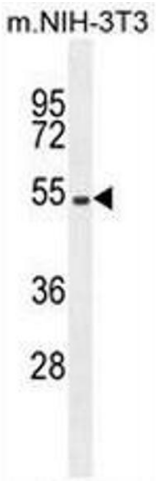
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. EIF2B4 Antibody (Center K161) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of EIF2B4 Antibody (Center K161) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. EIF2B4 Antibody (Center K161) western blot analysis in K562 cell line lysates (35µg/lane).This demonstrates the EIF2B4 antibody detected the EIF2B4 protein (arrow).



Western Blotting

Image 3. EIF2B4 Antibody (Center K161) western blot analysis in mouse NIH-3T3 cell line lysates (35uµg/lane).This demonstrates the EIF2B4 antibody detected the EIF2B4 protein (arrow).