

Datasheet for ABIN2784713
anti-EIF2B1 antibody (C-Term)



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2 Images

Overview

Quantity:	100 µL
Target:	EIF2B1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Pig, Rabbit, Cow, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF2B1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human EIF2B1
Sequence:	ADTLKVAQTG QDLKEEHPWV DYTAPSLITL LFTDLGVLTP SAVSDELIKL
Predicted Reactivity:	Cow: 79%, Dog: 79%, Horse: 93%, Human: 100%, Mouse: 86%, Pig: 79%, Rabbit: 79%, Rat: 79%
Characteristics:	This is a rabbit polyclonal antibody against EIF2B1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	EIF2B1
Alternative Name:	EIF2B1 (EIF2B1 Products)

Target Details

Background:	<p>EIF2B1 belongs to the EIF-2B alpha/beta/delta subunits family. It catalyzes the exchange of eukaryotic initiation factor 2-bound GDP for GTP. Defects in EIF2B1 are a cause of leukoencephalopathy with vanishing white matter (VWM).</p> <p>Alias Symbols: EIF-2B, EIF-2Balpha, EIF2B, EIF2BA, MGC117409, MGC125868, MGC125869</p> <p>Protein Interaction Partner: RD3, WDYHV1, GORASP2, EIF2B1, UBC, GCD2, GCD6, EIF2B2, STK11, DCC, MRPL4, EIF2S2, EIF2S1, ARL4D, CREBBP, ADRB2, ADRA2B, ADRA2C, ADRA2A, EIF2B5, DCD, PDIA4, EIF2B3, HNRNPL, ARHGDI A,</p> <p>Protein Size: 305</p>
Molecular Weight:	34 kDa
Gene ID:	1967
NCBI Accession:	NM_001414 , NP_001405
UniProt:	Q14232
Pathways:	Methionine Biosynthetic Process

Application Details

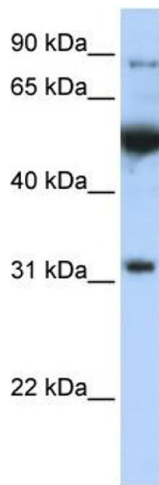
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 305 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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 freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

Images



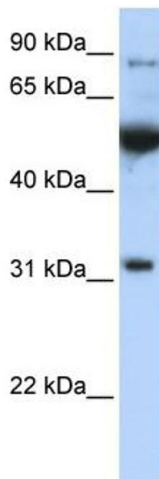
Western Blotting

Image 1. WB Suggested Anti-EIF2B1

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1::2500

Positive Control: Jurkat cell lysate

EIF2B1 is supported by BioGPS gene expression data to be expressed in Jurkat



Western Blotting

Image 2. WB Suggested Anti-EIF2B1 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:62500

Positive Control: Jurkat cell lysate