

Datasheet for ABIN2782457
anti-EIF2S3 antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	EIF2S3
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Dog, Cow, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF2S3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human EIF2S3
Sequence:	LDDPSCRPE CYRSCGSSTP DEFPTDIPGT KGNFKLVRHV SFVDCPGHDI
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against EIF2S3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	EIF2S3
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Target Details

Alternative Name:	EIF2S3 (EIF2S3 Products)
Background:	<p>EIF-2 functions in the early steps of protein synthesis by forming a ternary complex with GTP and initiator tRNA. This complex binds to a 40S ribosomal subunit, followed by mRNA binding to form a 43S preinitiation complex. Junction of the 60S ribosomal subunit to form the 80S initiation complex is preceded by hydrolysis of the GTP bound to eIF-2 and release of an eIF-2-GDP binary complex. In order for eIF-2 to recycle and catalyze another round of initiation, the GDP bound to eIF-2 must exchange with GTP by way of a reaction catalyzed by eIF-2B.</p> <p>Alias Symbols: EIF2, EIF2G, EIF2gamma, eIF-2gA</p> <p>Protein Interaction Partner: UBC, RNF2, rev, CCAR2, PLD3, EEF1E1, AIMP1, AIP, IQGAP1, RARS, QARS, IMPDH2, DNAJA1, EIF2S1, MAPK6, TARDBP, FN1, UBD, GRK5, CAND1, CDK2, SUMO1, ELAVL1, SUMO2, NDRG1, RAD21, HDGF, DCC, METAP2, EIF1B, CASP4, H3F3A, CTCF,</p> <p>Protein Size: 472</p>
Molecular Weight:	51 kDa
Gene ID:	1968
NCBI Accession:	NM_001415 , NP_001406
UniProt:	P41091

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 472 AA
Restrictions:	For Research Use only

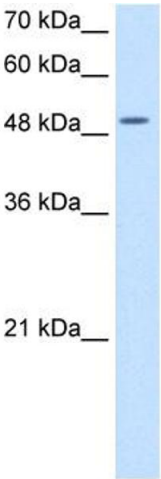
Handling

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.

Handling

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-EIF2S3 Antibody Titration: 5.0ug/ml Positive Control: Jurkat cell lysate EIF2S3 is supported by BioGPS gene expression data to be expressed in Jurkat