

Rabbit EIF2S3 Polyclonal Antibody | anti-EIF2S3 antibody

EIF2S3 Antibody

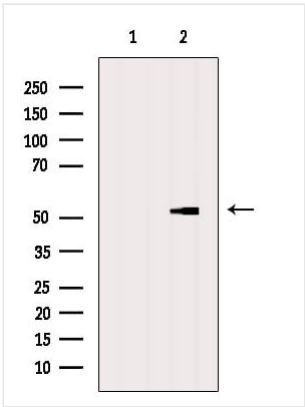
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328839	Rabbit	Human, MousePredicted: Zebrafish, Bovine, Horse, Sheep, Dog, Chicken, Xenopus	Western Blot

PRODUCT SYNONYMS

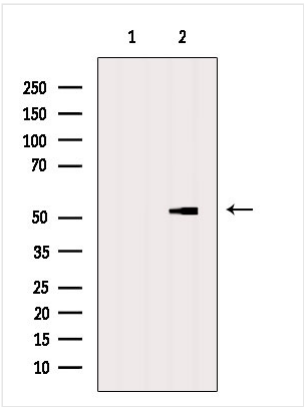
EIF2S3; Polyclonal Antibody; EIF2S3 Antibody; eIF-2-gamma X; eIF-2gA; eIF-2gX; EIF2; EIF2G; EIF2gamma; Eukaryotic translation initiation factor 2 gamma; Eukaryotic translation initiation factor 2 gamma subunit; Eukaryotic translation initiation factor 2 subunit 3; Eukaryotic translation initiation factor 2 subunit 3 gamma 52kDa; Eukaryotic translation initiation factor 2 subunit gamma X; IF2G_HUMAN; anti-EIF2S3 antibody

PRODUCT SPECIFICATIONS

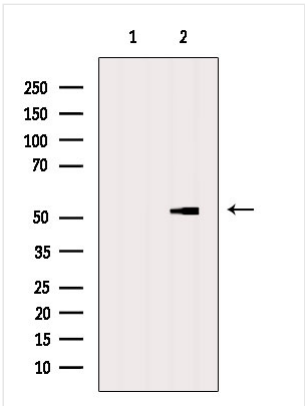
Host	Rabbit
Reactivity	Human, Mouse Predicted: Zebrafish, Bovine, Horse, Sheep, Dog, Chicken, Xenopus
Clonality	Polyclonal
Isotype	IgG
Specificity	EIF2S3 Antibody detects endogenous levels of EIF2S3.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	472
Applicable Applications for anti-EIF2S3 antibody	WB (Western Blot)
Immunogen	A synthesized peptide derived from human EIF2S3.
Tissue Specificity	Expressed in testis, brain, liver and muscle.
Fragment	Fab Fragment
Conjugate	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from Hybridoma cells, using EIF2S3 Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from HeLa cells, using EIF2S3 Antibody. The lane on the left was treated with blocking peptide.



IF (Immunofluorescence)
staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. Samples were then incubated with primary Ab(1:200) and mouse anti-beta tubulin Ab(1:200) for 1 hour at 37 degree C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(1:200 Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(1:600 Green) were used as the secondary antibody

ADDITIONAL INFORMATION

Related Product Information for anti-EIF2S3 antibody

Description: As a subunit of eukaryotic initiation factor 2 (eIF2), involved in the early steps of protein synthesis. In the presence of GTP, eIF2 forms a ternary complex with initiator tRNA Met-tRNAi and then recruits the 40S ribosomal complex, a step that determines the rate of protein translation. This step is followed by mRNA binding to form the 43S pre-initiation complex. Junction of the 60S ribosomal subunit to form the 80S initiation complex is preceded by hydrolysis of the GTP bound to eIF2 and release of an eIF2-GDP binary complex. In order for eIF2 to recycle and catalyze another round of initiation, the GDP bound to eIF2 must exchange with GTP by way of a reaction catalyzed by eIF2B (By similarity). Along with its paralog on chromosome Y, may contribute to spermatogenesis up to the round spermatid stage (By similarity).

Subunit Structure: The eukaryotic translation initiation factor 2 complex/eIF2 is a heterotrimer composed of an alpha subunit, also called subunit 1 (encoded by EIF2S1), a beta subunit, also called subunit 2 (encoded by EIF2S2) and a gamma subunit, also called subunit 3 (encoded by EIF2S3).

Similarity: Belongs to the TRAFAC class translation factor GTPase superfamily. Classic translation factor GTPase family. EIF2G subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	729816
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NCBI GeneID	1968
UniProt Accession #	P41091
Molecular Weight	Observed: 52 kDa Predicted: 52 kDa
NCBI Official Full Name	Eukaryotic translation initiation factor 2 subunit 3
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 2 subunit gamma
NCBI Official Symbol	EIF2S3
NCBI Official Synonym Symbols	EIF2; EIF2G; MEHMO; MRXSBRK; eIF-2gA; EIF2gamma
NCBI Protein Information	eukaryotic translation initiation factor 2 subunit 3
UniProt Protein Name	Eukaryotic translation initiation factor 2 subunit 3
UniProt Gene Name	EIF2S3
UniProt Synonym Gene Names	EIF2G; eIF-2-gamma X; eIF-2gX
UniProt Entry Name	IF2G_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/eif2s3-antibody-western-blot-elisa/328839>