

Rabbit anti-Human EIF2S3 Polyclonal Antibody | anti-EIF2S3 antibody

EIF2S3 Antibody

CATALOG # AAA231313	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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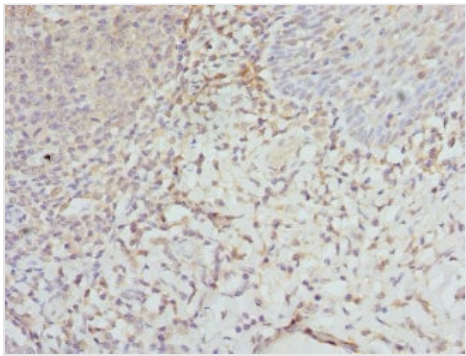
PRODUCT SYNONYMS

EIF2S3; Polyclonal Antibody; EIF2S3 Antibody; Eukaryotic translation initiation factor 2 subunit 3; Eukaryotic translation initiation factor 2 subunit gamma X; eIF-2-gamma X; eIF-2gX; EIF2G; anti-EIF2S3 antibody

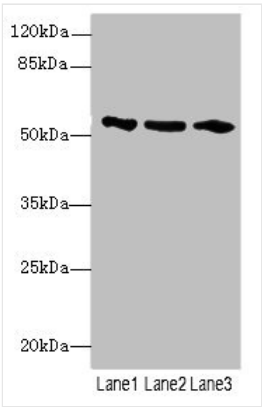
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid
Sequence Length	472
Applicable Applications for anti-EIF2S3 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Species	Human
Immunogen	Recombinant human Eukaryotic translation initiation factor 2 subunit 3 protein (C-300AA)
Conjugate	Non-conjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-131149 / sc-131150
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human tonsil tissue using AAA231313 at dilution 1:100



WB (Western Blot)
Western blotAll lanes: EIF2S3 antibody at 1.13ug/mlLane 1 : Hela whole cell lysateLane 2 : Colo320 whole cell lysateLane 3 : HL60 whole cell lysateSecondaryGoat polyclonal to Rabbit IgG at 1/10000 dilutionPredicted band size: 51 kDaObserved band size: 51 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-EIF2S3 antibody	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).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503507
NCBI GeneID	1968
NCBI Accession #	NP_001406.1
NCBI GenBank Nucleotide #	NM_001415.3
UniProt Accession #	P41091; Q53HK3; A0A024RBY4; A8K2Y2; B2R5N2; B5BTZ4
Molecular Weight	51,109 Da
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; 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-immunohistochemistry-western-blot-elisa/231313>