ARG56328
anti-EIF2S3 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes EIF2S3
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	EIF2S3
Species	Human
Immunogen	Recombinant protein of Human EIF2S3
Conjugation	Un-conjugated
Alternate Names	Eukaryotic translation initiation factor 2 subunit 3; EIF2G; EIF2; eIF-2-gamma X; Eukaryotic translation initiation factor 2 subunit gamma X; eIF-2gX; EIF2gamma; eIF-2gA

Application Instructions

Application table

Application	Dilution
IHC-P	1:50 - 1:200
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	HL-60

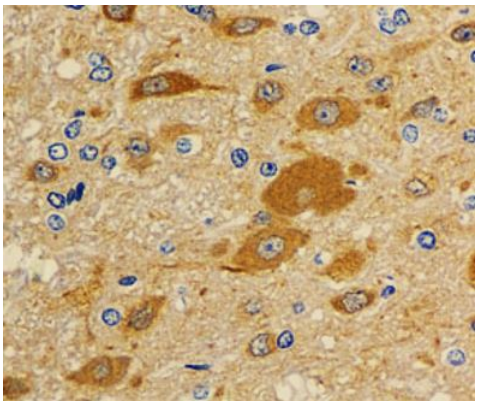
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

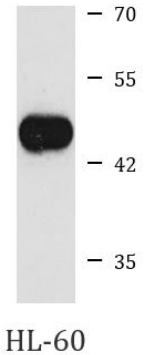
Database links	GeneID: 1968 Human Swiss-port # P41091 Human
Gene Symbol	EIF2S3
Gene Full Name	eukaryotic translation initiation factor 2, subunit 3 gamma, 52kDa
Background	The protein encoded by this gene is the largest subunit of a heterotrimeric GTP-binding protein involved in the recruitment of methionyl-tRNA(i) to the 40 S ribosomal subunit. [provided by RefSeq, Jan 2010]
Function	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. [UniProt]
Calculated Mw	51 kDa

Images



ARG56328 anti-EIF2S3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat brain stained with ARG56328 anti-EIF2S3 antibody at 1:100 dilution.



ARG56328 anti-EIF2S3 antibody WB image

Western blot: HL-60 cell lysate stained with ARG56328 anti-EIF2S3 antibody.