

EIF2S3 Polyclonal Antibody

Catalog number: 11162-1-AP

Size: 38 µg/150 µl

Source: Rabbit

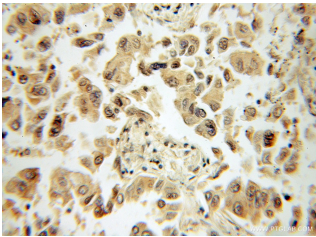
Isotype: IgG

Synonyms:

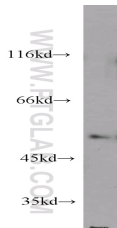
EIF2S3; eIF 2 gamma X, eIF 2gA,

eIF 2gX, EIF2, EIF2G,

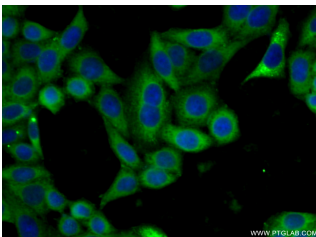
EIF2gamma, EIF2S3



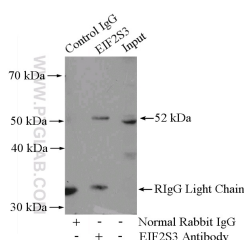
Immunohistochemical of paraffin-embedded human lung cancer using 11162-1-AP(EIF2S3 antibody) at dilution of 1:50 (under 10x lens)



HeLa cells were subjected to SDS PAGE followed by western blot with 11162-1-AP(EIF2S3 antibody) at dilution of 1:1000



Immunofluorescent analysis of (-20 Ethanol) fixed HeLa cells using 11162-1-AP(EIF2S3 Antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IP Result of anti-EIF2S3

(IP:11162-1-AP, 4µg;

Background

Interacts with GTP and initiator methionyl-tRNA, translation initiation factor eIF2 forms a ternary complex that binds the 40S ribosome and then scans an mRNA to select the AUG start codon for protein synthesis[PMID: 9736774]. 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. EIF2S3 is the core subunit of the heterotrimeric eIF2 complex.[PMID:23063529]

Applications

Tested applications:	ELISA, WB, IHC, IP, IF
Cited applications:	WB
Species specificity:	Human, Mouse; other species not tested.
Cited species:	Human
Calculated EIF2S3 MW:	52 kDa
Observed EIF2S3 MW:	52 kDa
Positive WB detected in	HeLa cells, COLO 320 cells, mouse thymus tissue
Positive IP detected in	HeLa cells
Positive IHC detected in	Human lung cancer tissue, human tonsillitis tissue
Positive IF detected in	HeLa cells
Recommended dilution:	WB: 1:500-1:5000
	IP: 1:200-1:2000
	IHC: 1:20-1:200
	IF: 1:50-1:500

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag1650
GenBank accession number:	BC019906
Gene ID (NCBI):	1968
Full name:	Eukaryotic translation initiation factor 2, subunit 3 gamma, 52kDa

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

Detection:11162-1-AP 1:500)
with HeLa cells lysate 2800ug.