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# anti-EIF2S3 antibody (AA 173-472)

2 Images



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- Overview	
Quantity:	100 μL
Target:	EIF2S3
Binding Specificity:	AA 173-472
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF2S3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)
Product Details	
Immunogen:	Recombinant Human Eukaryotic translation initiation factor 2 subunit 3 protein (173-472AA)
Isotype:	IgG
Cross-Reactivity:	Human

## **Target Details**

Purification:

Target:	EIF2S3
Alternative Name:	EIF2S3 (EIF2S3 Products)
Background:	Background: 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-

Antigen Affinity Purified

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).

Aliases: eIF-2-gamma X antibody, eIF-2gA antibody, eIF-2gX antibody, EIF2 antibody, EIF2G antibody, EIF2Gamma antibody, EIF2S3 antibody, Eukaryotic translation initiation factor 2 gamma antibody, Eukaryotic translation initiation factor 2 gamma subunit antibody, Eukaryotic translation initiation factor 2 subunit 3 antibody, Eukaryotic translation initiation factor 2 subunit 3 gamma 52 kDa antibody, Eukaryotic translation initiation factor 2 subunit gamma X antibody, IF2G\_HUMAN antibody

UniProt:

P41091

### **Application Details**

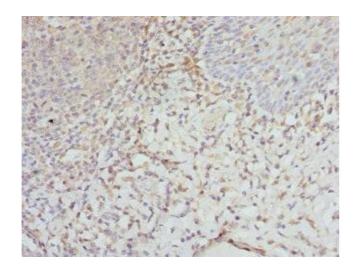
Application Notes:	Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200,
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

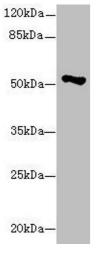
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



#### **Immunohistochemistry**

**Image 1.** Immunohistochemistry of paraffin-embedded human tonsil tissue using ABIN7152135 at dilution of 1:100



#### **Western Blotting**

Image 2. Western blot All lanes: EIF2S3 antibody at 1.13  $\mu$  g/mL + Hela whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 51 kDa Observed band size: 51 kDa