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Datasheet for ABIN7138468 anti-EIF2S2 antibody (pSer2)

Image



Overview

Quantity:	100 µL
Target:	EIF2S2
Binding Specificity:	pSer2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF2S2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	Peptide sequence around phosphorylation site of serine 2 (M-S(p)-G-D-E) derived from Human eIF2?.	
Isotype:	lgG	
Cross-Reactivity:	Human, Mouse	
Purification:	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.	

## Target Details

Target:	EIF2S2
Alternative Name:	EIF2S2 (EIF2S2 Products)

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Target Details		
Background:	Background:	
	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.	
	Structure of the beta subunit of translational initiation factor eIF-2. The DNA sequence and	
	comparative analysis of human chromosome 20. The status, quality, and expansion of the NIH	
	full-length cDNA project: the Mammalian Gene Collection (MGC).	
	Aliases: DKFZp686L18198 antibody, eIF 2 beta antibody, eIF-2-beta antibody, EIF2 antibody,	
	EIF2B antibody, EIF2beta antibody, EIF2S2 antibody, Eukaryotic initiation factor 2 beta antibody	
	eukaryotic initiation factor 2-beta antibody, Eukaryotic translation initiation factor 2 beta	
	antibody, Eukaryotic translation initiation factor 2 subunit 2 antibody, Eukaryotic translation	
	initiation factor 2 subunit 2 beta 38 kDa antibody, Eukaryotic translation initiation factor 2	
	subunit 2 beta antibody, Eukaryotic translation initiation factor 2 subunit beta antibody,	
	eukaryotic translation initiation factor 2, subunit 2 beta, 38 kDa antibody, IF2B_HUMAN	
	antibody, MGC8508 antibody, PPP1R67 antibody, protein phosphatase 1, regulatory subunit 67	
	antibody	
UniProt:	P20042	

# Application Details

Application Notes:	WB:1:500-1:1000,	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Buffer:	Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.	
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	

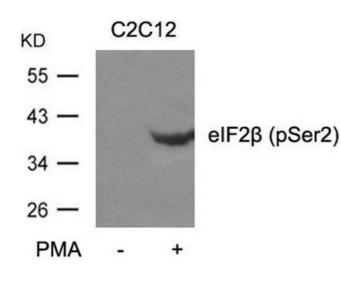
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Storage Comment:

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

#### Images



### Western Blotting

**Image 1.** Western blot analysis of extracts from C2C12 cells untreated or treated with PMA using eIF2b(phospho-Ser2) Antibody.