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anti-EIF2S2 antibody (N-Term)

2 Images



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Overview

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

Product Details

Immunogen:	Synthesized peptide derived from N-terminal of Human eIF2B.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	EIF2S2
Alternative Name:	EIF2S2 (EIF2S2 Products)
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.

Pathak V.K., Cell 54:633-639(1988).

Deloukas P., Nature 414:865-871(2001).

Olsen J.V., Cell 127:635-648(2006).

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:1:500-1:3000,

Restrictions: For Research Use only

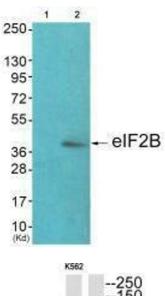
Handling

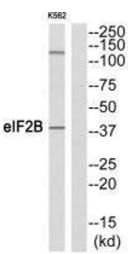
Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C

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 JK cells (Lane 2), using eIF2B (Ab-67) antiobdy. The lane on the left is treated with systhesized peptide.

Western Blotting

Image 2. Western blot analysis of extracts from K562 cells, using eIF2B (Ab-67) antibody.