

eIF2 alpha subunit 1 (Phospho-Ser52) Antibody HRP Conjugated

Catalog No: #C05412H

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Description

Product Name	eIF2 alpha subunit 1 (Phospho-Ser52) Antibody HRP Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	WB IHC-P IHC-F
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic phosphopeptide aa 50-91 315 derived from human eIF2 alpha subunit 1 around the phosphorylation site of Ser52 [EL(p-S)RR]
Conjugates	HRP
Target Name	eIF2 alpha subunit 1 Ser52
Other Names	EIF2; EIF-2; EIF2A; EIF-2A; EIF-2alpha; Eukaryotic translation initiation factor 2 subunit 1; Eukaryotic translation initiation factor 2 subunit alpha; eIF-2-alpha; EIF2S1
Accession No.	Swiss-Prot#P05198NCBI Gene ID1965
Uniprot	P05198
GeneID	1965;
Excitation Emission	N A
Cell Localization	Cytoplasm
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

WB=1:500-2000 IHC-P=1:50-200 IHC-F=1:50-200

Background

Functions in the early steps of protein synthesis by forming a ternary complex with GTP and initiator tRNA. This complex binds to a 4S ribosomal subunit, followed by mRNA binding to form a 43S preinitiation complex. Junction of the 6S ribosomal subunit to form the 8S 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.

Note: This product is for in vitro research use only