

Mouse eIF2alpha Monoclonal Antibody | anti-eIF2alpha antibody

eIF2alpha Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320398	Mouse	Human, Mouse, Rat	Immunoprecipitation, Immunocytochemistry, Immunofluorescence, Western Blot

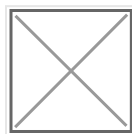
PRODUCT SYNONYMS

eIF2alpha; Monoclonal Antibody; eIF2alpha Mouse mAb; Dmel/CG6376; Dmel_CG6376; drosE2F1; E(Sev-CycE)3A; E(var)3-93E; E2-promoter binding facto; E2F 1; E2F transcription factor 1; E2F-1; E2f-PA; E2f-PB; E2f-PC; E2F1; E2f1 E2F transcription factor 1; E2F1_HUMAN; Evar(3)164; KIAA4009; I(3)07172; I(3)j3B1; I(3)j3C2; I(3)rM729; mKIAA4009; OTTHUMP00000030661; PBR3; PRB binding protein E2F 1; PRB-binding protein E2F-1; RBAP 1; RBAP-1; RBAP1; RBBP-3; RBBP3; RBP 3; RBP3; Retinoblastoma-associated protein 1; Retinoblastoma-binding protein 3; Transcription factor E2F1.; anti-eIF2alpha antibody

PRODUCT SPECIFICATIONS

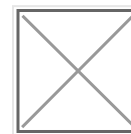
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Specificity	This antibody detects endogenous levels of eIF2alpha and does not cross-react with related proteins.
Purity/Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-eIF2alpha antibody	IP (Immunoprecipitation), ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	Purified recombinant human eIF2alpha protein fragments expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IF (Immunofluorescence)

Immunofluorescent analysis of HeLa cells fixed by anhydrous methanol for 2 h at -20° and using anti-eIF2? mouse mAb (dilution 1:200).



IP (Immunoprecipitation)

Immunoprecipitation analysis of HeLa cell lysates using eIF2?.



WB (Western Blot)

Western blot detection of eIF2? in K562, COS7, 3T3, C2C12, MCF-7, C6 and HeLa cell lysates using eIF2? mouse mAb (1:1000 diluted). Predicted band size: 38KDa. Observed band size: 38KDa.

ADDITIONAL INFORMATION

Related Product Information for anti-eIF2alpha antibody	The translation initiation factor EIF2 catalyzes the first regulated step of protein synthesis initiation, promoting the binding of the initiator tRNA to 40S ribosomal subunits. Binding occurs as a ternary complex of methionyl-tRNA, EIF2, and GTP. EIF2 is composed of 3 nonidentical subunits, the 36-kD EIF2-alpha subunit (EIF2S1), the 38-kD EIF2-beta subunit (EIF2S2; MIM 603908), and the 52-kD EIF2-gamma subunit (EIF2S3; MIM 300161). The rate of formation of the ternary complex is modulated by the phosphorylation state of EIF2-alpha (Ernst et al., 1987 [PubMed 2948954]).[supplied by OMIM, Feb 2010]
Product Categories/Family for anti-eIF2alpha antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758256
NCBI GeneID	1965
NCBI Accession #	NP_004085.1
NCBI GenBank Nucleotide #	NM_004094.4
UniProt Accession #	P05198
Molecular Weight	38 kDa
NCBI Official Full Name	eukaryotic translation initiation factor 2 subunit 1
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa
NCBI Official Symbol	EIF2S1
NCBI Official Synonym Symbols	EIF2; EIF-2; EIF2A; EIF-2A; EIF-2alpha
NCBI Protein Information	eukaryotic translation initiation factor 2 subunit 1; eIF-2-alpha; eukaryotic translation initiation factor 2 subunit alpha
UniProt Protein Name	Eukaryotic translation initiation factor 2 subunit 1
UniProt Gene Name	EIF2S1
UniProt Synonym Gene Names	EIF2A; eIF-2-alpha; eIF-2A; eIF-2alpha
UniProt Entry Name	IF2A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/eif2alpha-antibody-immunoprecipitation-immunocytochemistry-immunofluorescence-western-blot-elisa/320398>