



Anti-eIF2A monoclonal antibody, clone 4B8C22 (DCABH-7296)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to eIF2A
Antigen Description	Functions in the early steps of protein synthesis of a small number of specific mRNAs. Acts by directing the binding of methionyl-tRNA _i to 40S ribosomal subunits. In contrast to the eIF-2 complex, it binds methionyl-tRNA _i to 40 S subunits in a codon-dependent manner, whereas the eIF-2 complex binds methionyl-tRNA _i to 40 S subunits in a GTP-dependent manner. May act by impeding the expression of specific proteins.
Immunogen	Recombinant fragment corresponding to Human eIF2A aa 448-576. (Expressed in E.coli). Sequence: PPALRNPITNSKLHEEEPPQNMKPQSGNDKPLSKTALKNQRKHEAKKAA KQEARSQDKSPDLAPTPAPQSTPRNTVSQSISGDPEIDKKIKNLKKKLKAI EQLKEQAATGKQLEKNQLEK IQKETALLQ Database link: Q9BY44
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Mouse, Rat, Human, Monkey
Clone	4B8C22
Purity	Protein G purified
Conjugate	Unconjugated
Applications	Flow Cyt, IHC-P, WB
Positive Control	Recombinant Human eIF2A (aa 448-576) protein; eIF2A (aa 448-576)-hIgGFc transfected HEK293 cell lysate; MCF7, PC-12, HepG2, HeLa, Cos7, K562, Jurkat, A431 and NIH3T3 cell

lysates; HepG2 cells; Human cervical cancer and bladder cancer tissues.

Format	Liquid
Size	100 µg
Buffer	Preservative: 0.05% Sodium azide; Constituent: 99% PBS
Storage	Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Ship	Shipped at 4°C.

GENE INFORMATION

Gene Name	EIF2A eukaryotic translation initiation factor 2A, 65kDa [Homo sapiens]
Official Symbol	EIF2A
Synonyms	EIF2A; eukaryotic translation initiation factor 2A, 65kDa; eukaryotic translation initiation factor 2A; EIF 2A; 65 kDa eukaryotic translation initiation factor 2A; CDA02; EIF-2A; MST089; MSTP004; MSTP089;
Entrez Gene ID	83939
Protein Refseq	NP_114414
UniProt ID	Q9BY44
Chromosome Location	3q25.1
Pathway	IL-6 Signaling Pathway, organism-specific biosystem; TGF-beta receptor signaling, organism-specific biosystem;
Function	ribosome binding; tRNA binding; translation initiation factor activity;