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eIF2A Antibody

Rabbit mAb
Catalog # AP91668

Product Information

Application	WB, IHC, IF, ICC, IHF
Primary Accession	Q9BY44
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	65 kDa eukaryotic translation initiation factor 2; Eukaryotic translation initiation factor 2A; ACDA02; EIF 2A; CDA02; MSTP004; MSTP089; EIF2; eif2a; eIF-2A
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	64990

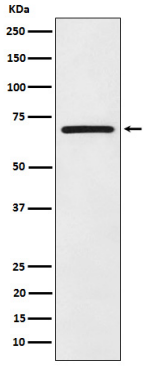
Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human eIF2A
Description	Functions in the early steps of protein synthesis of a small number of specific mRNAs. Acts by directing the binding of methionyl-tRNAi to 40S ribosomal subunits. In contrast to the eIF-2 complex, it binds methionyl-tRNAi to 40 S subunits in a codon-dependent manner, whereas the eIF-2 complex binds methionyl-tRNAi to 40 S subunits in a GTP-dependent manner.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	EIF2A
Function	Functions in the early steps of protein synthesis of a small number of specific mRNAs. Acts by directing the binding of methionyl- tRNAi to 40S ribosomal subunits. In contrast to the eIF-2 complex, it binds methionyl-tRNAi to 40S subunits in a codon-dependent manner, whereas the eIF-2 complex binds methionyl-tRNAi to 40S subunits in a GTP-dependent manner.
Tissue Location	Widely expressed. Expressed at higher level in pancreas, heart, brain and placenta.

Images



Western blot analysis of eIF2A expression in Ramos cell lysate.