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eIF2A Rabbit mAb

Catalog # AP75386

Product Information

Application	WB, IHC-P
Primary Accession	Q9BY44
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	64990

Additional Information

Gene ID	83939
Other Names	EIF2A
Dilution	WB~~1:1000-1:5000 IHC-P~~N/A
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

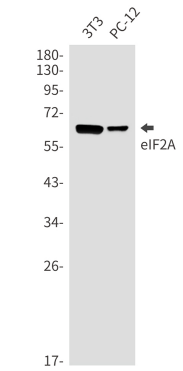
Protein Information

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.

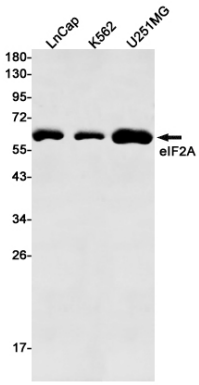
Background

EIF2A is a 65-kD protein that catalyzes the formation of puromycin-sensitive 80S preinitiation complexes.

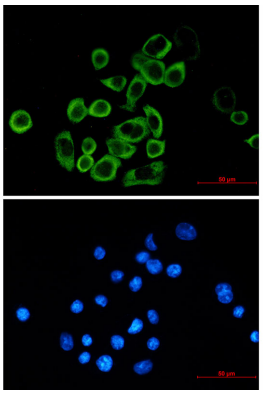
Images



Western blot analysis of eIF2A in 3T3, PC-12 lysates using eIF2A antibody.



Western blot analysis of eIF2A in LnCap, K562, U251MG lysates using eIF2A antibody.



Immunocytochemistry analysis of eIF2A (green) in MCF-7 using eIF2A antibody,and DAPI(blue)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.