

EIF2A Antibody

Catalog No: #48432

Package Size: #48432-1 50ul #48432-2 100ul

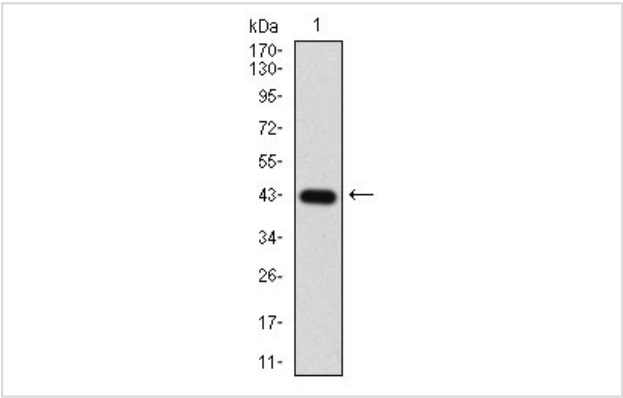
Description

Product Name	EIF2A Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	A8-A7
Purification	ProA affinity purified
Applications	WB, ICC, IHC, FC
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Conjugates	Unconjugated
Other Names	65 kDa eukaryotic translation initiation factor 2A antibody CDA 02 antibody CDA02 antibody EIF 2 antibody EIF 2A antibody eIF-2A antibody EIF2 antibody eif2a antibody EIF2A_HUMAN antibody Eukaryotic translation initiation factor 2A 65kDa antibody Eukaryotic translation initiation factor 2A antibody MST089 antibody MSTP004 antibody MSTP089 antibody
Accession No.	Swiss-Prot#:Q9BY44
Calculated MW	65 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

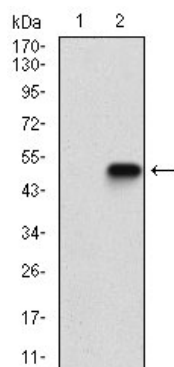
Application Details

WB: 1:500-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

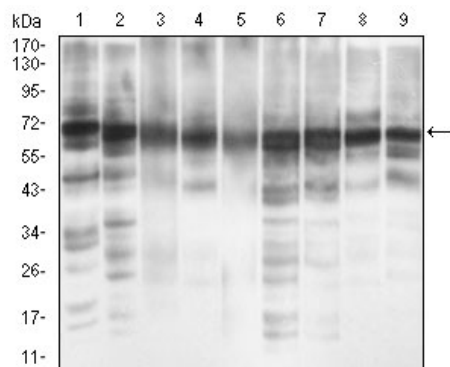
Images



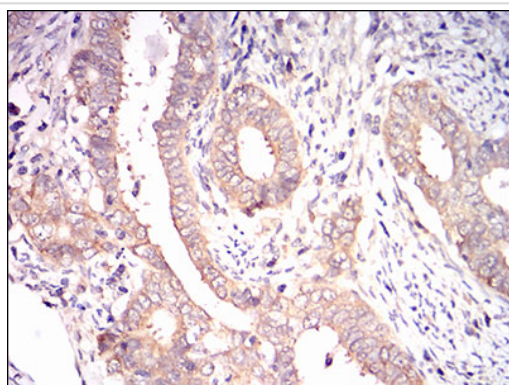
Western blot analysis of EIF2A on human EIF2A recombinant protein using anti-EIF2A antibody at 1/1,000 dilution.



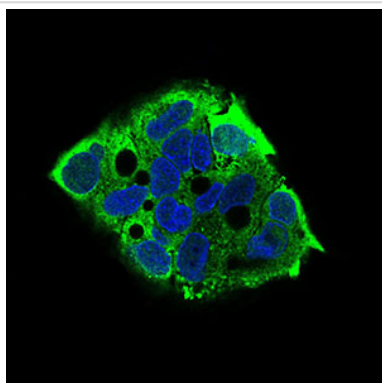
Western blot analysis of EIF2A on HEK293 (1) and EIF2A-hlgGfc transfected HEK293 (2) cell lysate using anti-EIF2A antibody at 1/1,000 dilution.



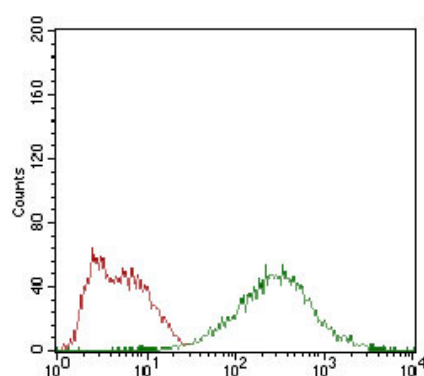
Western blot analysis of EIF2A on different cell lysate using anti-EIF2A antibody at 1/1,000 dilution. Positive control: $\Omega/2\Omega/2$ Line1: MCF-7 Line2: PC-12 Line3: HepG2 Line4: Hela Line5: Cos7 Line6: K562 Line7: Jurkat Line8: A431 Line9:



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue using anti-EIF2A antibody. Counter stained with hematoxylin.



ICC staining EIF2A (green) in HepG2 cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of HepG2 cells with EIF2A antibody at 1/100 dilution (green) compared with an unlabelled control (cells without incubation with primary antibody; red).

Background

eIF2A (eukaryotic translation initiation factor 2A), also known as CDA02, MSTP004 or MSTP089, is a 585 amino acid protein that contains three WD repeats. Expressed ubiquitously with highest expression in heart, brain, pancreas and placenta, eIF2A functions as a translation initiation factor that binds Met-tRNA and directs it to 40S ribosomal subunits. Present in the early steps of protein synthesis, eIF2A controls the binding of Met-tRNA to 40S ribosomal subunits in a codon-dependent manner, in contrast to the eIF2 complex which accomplishes the same task in a GTP-dependent manner. In addition to its role in transcription initiation, eIF2A may also act to negatively regulate the expression of specific proteins, suggesting a possible role as a transcriptional repressor. eIF2A exists as two isoforms due to alternative splicing events.

References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.