

eIF5A Rabbit mAb

Catalog No: #48963

Package Size: #48963-1 50ul #48963-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

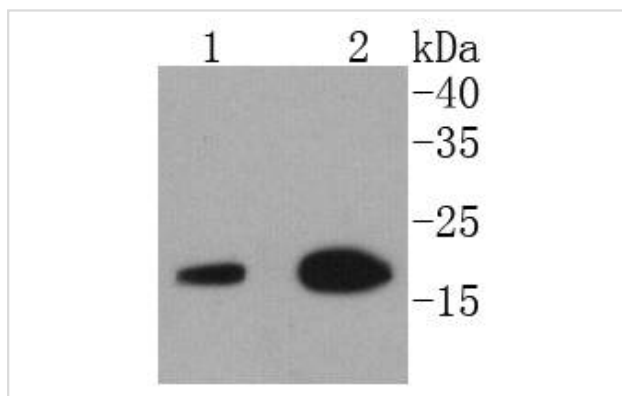
Description

Product Name	eIF5A Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SC60-09
Purification	ProA affinity purified
Applications	WB, ICC, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	eIF 4D antibody eIF 5A 1 antibody EIF 5A antibody eIF 5A1 antibody eIF-4D antibody eIF-5A antibody eIF-5A-1 antibody eIF-5A1 antibody eIF4D antibody eif5a antibody EIF5A1 antibody eIF5AI antibody Eukaryotic initiation factor 5A antibody Eukaryotic initiation factor 5A isoform 1 antibody Eukaryotic translation initiation factor 5A 1 antibody Eukaryotic translation initiation factor 5A antibody Eukaryotic translation initiation factor 5A-1 antibody IF5A1_HUMAN antibody MGC104255 antibody MGC99547 antibody Rev binding factor antibody Rev-binding factor antibody uORF A antibody uORF antibody
Accession No.	Swiss-Prot#:P63241
Uniprot	P63241
GeneID	1984;
Calculated MW	18 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

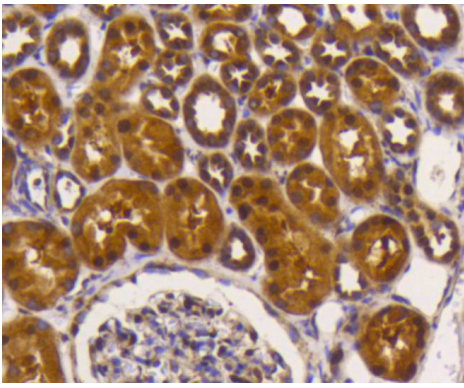
Application Details

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

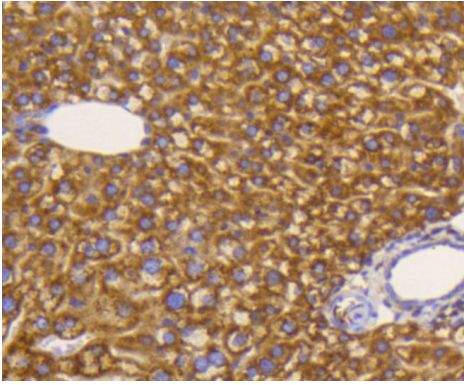
Images



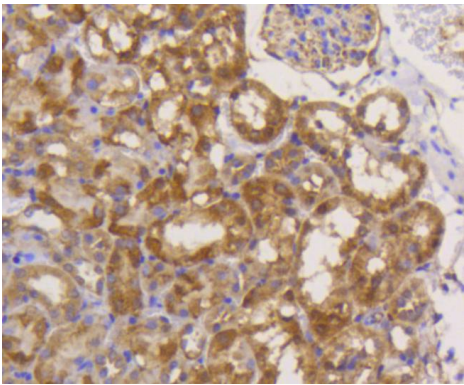
Western blot analysis of eIF5A on different lysates using anti-eIF5A antibody at 1/1,000 dilution. Positive control: Lane 1: Jurkat Lane 2: MCF-7



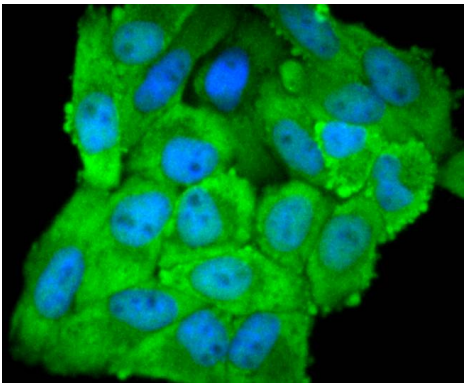
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-eIF5A antibody. Counter stained with hematoxylin.



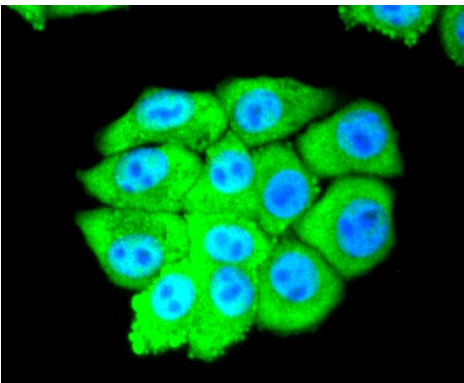
Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-eIF5A antibody. Counter stained with hematoxylin.



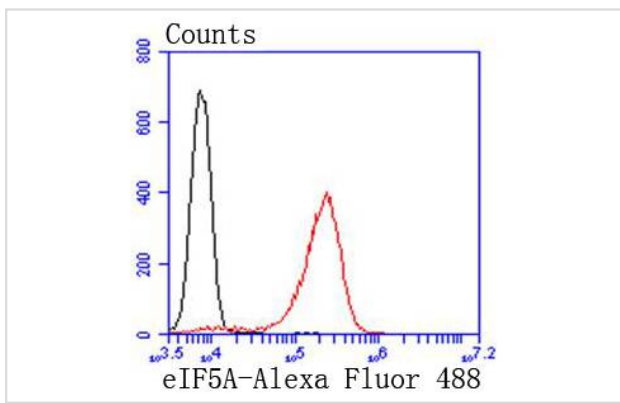
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-eIF5A antibody. Counter stained with hematoxylin.



ICC staining eIF5A in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining eIF5A in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Jurkat cells with eIF5A antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

In mammalian cells, translation is controlled at the level of polypeptide chain initiation by eukaryotic initiation factors. The human eukaryotic translation initiation factor 5A gene, also designated eIF-4D or eIF5A, maps to chromosome 17p13.1 and encodes a 154 amino acid protein that is linked to cellular polyamine homeostasis. eIF5A localizes to the nuclear and cytoplasmic compartments of mammalian cells where it can stimulate ribosomal peptidyl-transferase and may be involved in nucleocytoplasmic mRNA transport and/or protein translation. eIF5A contains a unique spermidine-derived post-translational modification at Lys-50, hypusine, which is necessary for eIF5A's biochemical activity and for cellular proliferative signaling. In addition, eIF5A is a cellular cofactor for the function of the Rev transactivator protein of human immunodeficiency virus type 1 (HIV-1). Inhibition of eIF5A interaction with Rev leads to a block of the viral replication cycle.

References

Note: This product is for in vitro research use only