



Rabbit Anti-eIF5A monoclonal antibody, clone TD71-10 (CABT-L701)

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

PRODUCT INFORMATION

Target	eIF5A
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TD71-10
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC, IHC, IP, FC
Molecular Weight	18 kDa
Cellular Localization	Cytoplasm, Nucleus, Endoplasmic reticulum membrane.
Positive Control	Jurkat, MCF-7, HeLa, HepG2, human kidney tissue, mouse liver tissue, mouse kidney tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

Storage

Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction

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.

Keywords

eIF 4D;eIF 5A 1;EIF 5A;eIF 5A1;eIF-4D;eIF-5A;eIF-5A-1;eIF-5A1;eIF4D;eif5a;EIF5A1;eIF5AI;Eukaryotic initiation factor 5A;Eukaryotic initiation factor 5A isoform 1;Eukaryotic translation initiation factor 5A 1;Eukaryotic translation initiation factor 5A;Eukaryotic translation initiation factor 5A-1;IF5A1_HUMAN;MGC104255;MGC99547;Rev binding factor;Rev-binding factor;uORF A;uORF antibody
