



# 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

<b>Target</b>	elf5A
<b>Immunogen</b>	Recombinant protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Clone</b>	TD71-10
<b>Purification</b>	Protein A purified.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ICC, IHC, IP, FC
<b>Molecular Weight</b>	18 kDa
<b>Cellular Localization</b>	Cytoplasm, Nucleus, Endoplasmic reticulum membrane.
<b>Positive Control</b>	Jurkat, MCF-7, Hela, HepG2, human kidney tissue, mouse liver tissue, mouse kidney tissue.
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
<b>Preservative</b>	0.05% Sodium Azide

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<b>Storage</b>	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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## BACKGROUND

<b>Introduction</b>	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.
<b>Keywords</b>	elf 4D;elf 5A 1;EIF 5A;eIF 5A1;eIF-4D;eIF-5A;eIF-5A-1;eIF-5A1;eIF4D;eif5a;EIF5A1;eIF5A1;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

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