

eIF5A/eIF5A2 Polyclonal Antibody

Catalog No: YT6284

Reactivity: Human; Mouse; Rat

Applications: WB;ELISA

Target: eIF5A/eIF5A2

Gene Name: EIF5A

Protein Name : eIF5A/eIF5A2

Human Gene Id: 1984

Human Swiss Prot

No:

Immunogen: Synthesized peptide derived from human eIF5A/eIF5A2

P63241/Q9GZV4

Specificity: This antibody detects endogenous levels of human eIF5A/eIF5A2

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500-2000, ELISA(peptide)1:5000-20000

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 17kD

Function: function: The precise role of eIF-5A in protein biosynthesis is not known but it

functions by promoting the formation of the first peptide bond.,PTM:eIF-5A seems to be the only eukaryotic protein to have an hypusine residue which is a post-



translational modification of a lysine by the addition of a butylamino group (from spermidine).,similarity:Belongs to the eIF-5A family.,subunit:Found in a complex with Ran and XPO4. The hypusine modification increases the interaction with XPO4.,tissue specificity:Expressed in umbilical vein endothelial cells and several cancer cell lines (at protein level).,

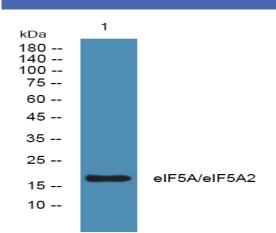
Subcellular Location:

Cytoplasm . Nucleus . Endoplasmic reticulum membrane ; Peripheral membrane protein ; Cytoplasmic side . Hypusine modification promotes the nuclear export and cytoplasmic localization and there was a dynamic shift in the localization from predominantly cytoplasmic to primarily nuclear under apoptotic inducing conditions (PubMed:19379712, PubMed:27306458). Nuclear export of hypusinated protein is mediated by XPO4 (PubMed:10944119, PubMed:27306458).

Expression:

Expressed in umbilical vein endothelial cells and several cancer cell lines (at protein level).

Products Images



Western blot analysis of lysates from PC12 cells, primary antibody was diluted at 1:1000, 4° over night