

### **IF5A1 Polyclonal Antibody**

Catalog No: YN2952

**Reactivity:** Human; Mouse; Rat

**Applications:** WB;ELISA

Target: IF5A1

Gene Name: EIF5A

**Protein Name:** Eukaryotic translation initiation factor 5A-1 (eIF-5A-1) (Eukaryotic

initiation factor 5A isoform 1) (eIF-5A) (Rev-binding factor) (eIF-4D)

Human Gene Id: 1984

**Human Swiss Prot** 

No:

**Mouse Swiss Prot** 

No:

Rat Swiss Prot No: Q3T1J1

**Immunogen:** Synthesized peptide derived from part region of human protein

**Specificity:** IF5A1 Polyclonal Antibody detects endogenous levels of protein.

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

Source: Polyclonal, Rabbit, IgG

**Dilution:** WB 1:500-2000 ELISA 1:5000-20000

P63241

P63242

**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:** 

16kD

### **Background:**

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).,

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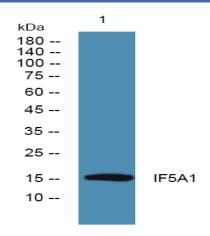
# Subcellular Location:

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 U2OS cells, primary antibody was diluted at 1:1000, 4° over night