

EIF5A2 Monoclonal antibody

Catalog Number: 67907-1-Ig

Basic Information

Catalog Number:

67907-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG10852

GenBank Accession Number:

BC036072

GeneID (NCBI):

56648

UNIPROT ID:

Q9GZV4

Full Name:

eukaryotic translation initiation factor 5A2

Calculated MW:

153 aa, 17 kDa

Observed MW:

20 kDa

Purification Method:

Protein G purification

CloneNo.:

1F9B2

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:500-1:2000

IF/ICC 1:200-1:800

Applications

Tested Applications:

IF/ICC, IHC, WB, ELISA

Species Specificity:

Human, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells

IHC : human lung cancer tissue, human stomach cancer tissue

IF/ICC : HepG2 cells,

Background Information

Eukaryotic translation initiation factor 5A (EIF5A), a conserved lysine to hypusine, is strictly indispensable for the survival of eukaryotic cells. There are two EIF5A isoforms in humans: EIF5A1 and EIF5A2. EIF5A2 has been reported to be overexpressed in gallbladder cancer, upper urinary tract urothelial carcinoma, gastric cancer, prostate cancer, nasopharyngeal carcinoma, and cervical cancer. EIF5A2 upregulation in cancer tissues is associated with poor prognosis in these patients.

Storage

Storage:

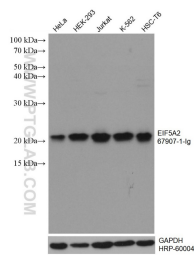
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

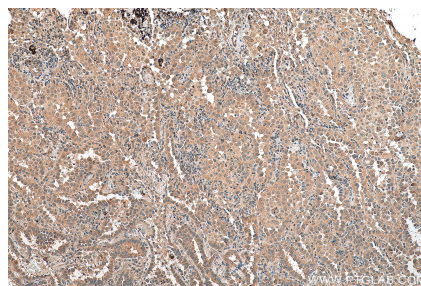
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

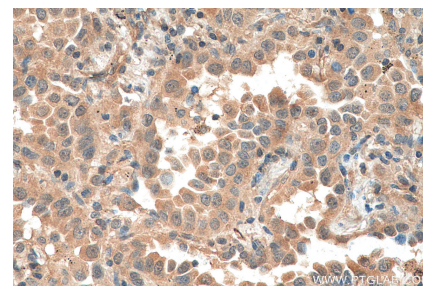
Selected Validation Data



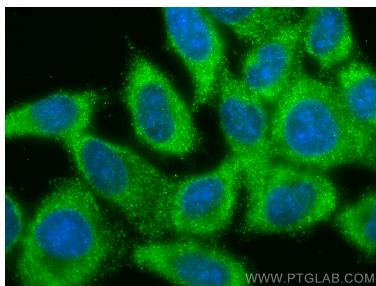
Various lysates were subjected to SDS PAGE followed by western blot with 67907-1-Ig (EIF5A2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 67907-1-Ig (EIF5A2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 67907-1-Ig (EIF5A2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using EIF5A2 antibody (67907-1-Ig, Clone: 1F9B2) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).