

For Research Use Only

EIF4A2 Polyclonal antibody

Catalog Number: 11280-1-AP

12 Publications



Basic Information

Catalog Number:

11280-1-AP

Size:

170 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1810

GenBank Accession Number:

BC015842

GeneID (NCBI):

1974

UNIPROT ID:

Q14240

Full Name:

eukaryotic translation initiation factor 4A, isoform 2

Calculated MW:

47 kDa

Observed MW:

47 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, pig

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: Jurkat cells, mouse ovary tissue, Raji cells

IP: Jurkat cells,

IHC: human breast cancer tissue, human gliomas tissue

Background Information

Eukaryotic initiation factor 4A (EIF4A) has an essential role in the binding of mRNA to the 43S preinitiation complex when protein synthesis begins, as EIF4A unwinds RNA secondary structures in the 5'-UTR of mRNAs which is necessary to allow efficient binding of the small ribosomal subunit, and subsequent scanning for the initiator codon. EIF4A2 is a ATP-dependent RNA helicase, which is a subunit of the eIF4F complex involved in cap recognition and is required for mRNA binding to ribosome.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhijie Shen	33294289	Mol Ther Nucleic Acids	WB
Jianjun Hu	29161344	Biol Reprod	WB,IF
Xiaodan Liu	29802737	Mol Carcinog	WB

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

For technical support and original validation data for this product please contact:

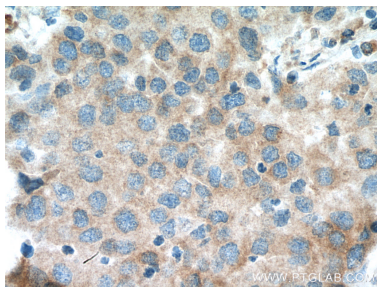
T: 4006900926

E: Proteintech-CN@ptglab.com

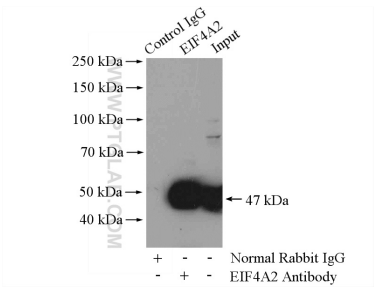
W: ptgcn.com

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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 11280-1-AP (EIF4A2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-EIF4A2 (IP:11280-1-AP, 4ug; Detection:11280-1-AP 1:500) with Jurkat cells lysate 4000ug.