

For Research Use Only

EIF4A2 Polyclonal antibody

Catalog Number: 11280-1-AP **8 Publications**



Basic Information

Catalog Number: 11280-1-AP	GenBank Accession Number: BC015842	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 170 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1974	Recommended Dilutions: WB 1:200-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: eukaryotic translation initiation factor 4A, isoform 2	IHC 1:50-1:500
Isotype: IgG	Calculated MW: 47 kDa	
Immunogen Catalog Number: AG1810	Observed MW: 47 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : Jurkat cells, mouse ovary tissue, Raji cells
Cited Applications: IF, IHC, WB	IP : Jurkat cells,
Species Specificity: human, mouse, rat	IHC : human breast cancer tissue, human gliomas tissue
Cited Species: human, rat, mouse, pig	

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

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

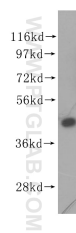
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

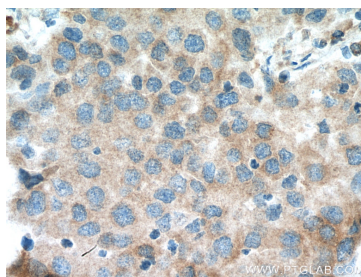
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

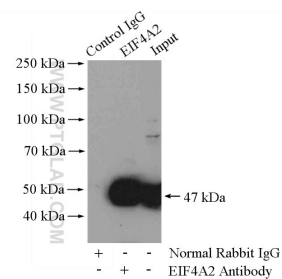
Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 11280-1-AP (EIF4A2 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



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.