

## EIF4A2 Polyclonal Antibody

Catalog number: 11280-1-AP

Size: 20 µg/150 µl

Source: Rabbit

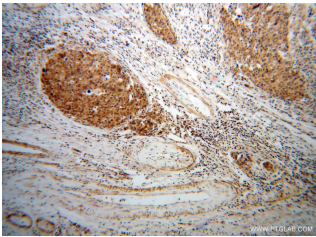
Isotype: IgG

Synonyms:

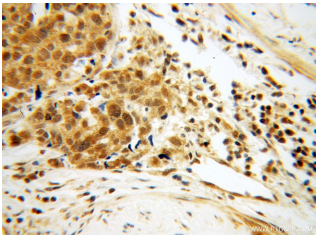
EIF4A2; BM 010, DDX2B, eIF 4A

II, EIF4A, eIF4A II, EIF4A2,

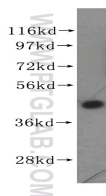
EIF4F



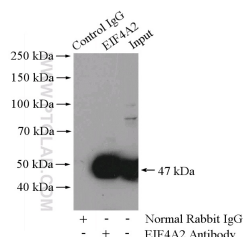
Immunohistochemical of paraffin-embedded human ovary tumor using 11280-1-AP (EIF4A2 antibody) at dilution of 1:100 (under 10x lens)



Immunohistochemical of paraffin-embedded human ovary tumor using 11280-1-AP (EIF4A2 antibody) at dilution of 1:100 (under 40x lens)



Jurkat cells were subjected to SDS PAGE followed by western blot with 11280-1-AP (EIF4A2 antibody) at dilution of 1:400



### IP Result of anti-EIF4A2

(IP:11280-1-AP, 4µg;

### Background

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.

### Applications

Tested applications:	ELISA, WB, IHC, IP
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated EIF4A2 MW:	47 kDa
Observed EIF4A2 MW:	47kd
Positive WB detected in	Jurkat cells, mouse ovary tissue, Raji cells
Positive IP detected in	Jurkat cells
Positive IHC detected in	Human ovary tumor tissue, human gliomas tissue
Recommended dilution:	WB: 1:200-1:1000
	IP: 1:200-1:2000
	IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag1810
GenBank accession number:	BC015842
Gene ID (NCBI):	1974
Full name:	Eukaryotic translation initiation factor 4A, isoform 2

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

Detection:11280-1-AP 1:500)  
with Jurkat cells lysate  
4000ug.