

## EIF4A3 Polyclonal Antibody

Catalog number: 10463-1-AP

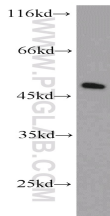
Size: 20 µg/150 µl

Source: Rabbit

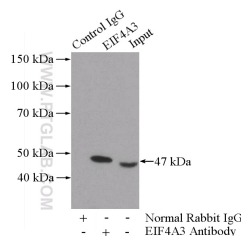
Isotype: IgG

Synonyms:

EIF4A3; DDX48, DEAD box protein 48, eIF 4A III, eIF4A III, EIF4A3, eIF4AIII, hNMP 265, hNMP265, KIAA0111, Nuclear matrix protein 265, NUK 34



HeLa cells were subjected to SDS PAGE followed by western blot with 10463-1-AP(EIF4A3 antibody) at dilution of 1:1000



IP Result of anti-EIF4A3 (IP:10463-1-AP, 3µg; Detection:10463-1-AP 1:300) with HEK-293 cells lysate 2800µg.

### Background

EIF4A3 is a component of the exon junction complex (EJC), which assembles near exon-exon junctions of mRNAs as a result of splicing. EJC proteins involves in postsplicing events, including mRNA export, cytoplasmic localization, and nonsense-mediated decay. Its RNA-dependent ATPase and RNA-helicase activities are induced by CASC3, but abolished in presence of the MAGOH/RBM8A heterodimer, thereby trapping the ATP-bound EJC core onto spliced mRNA in a stable conformation. Besides, it involved in translational enhancement of spliced mRNAs after formation of the 80S ribosome complex and binds spliced mRNA in sequence-independent manner, 20-24 nucleotides upstream of mRNA exon-exon junctions

### Applications

Tested applications:	ELISA, WB, IP
Cited applications:	IP, WB
Species specificity:	Human, Mouse; other species not tested.
Cited species:	Human
Calculated EIF4A3 MW:	47 kDa
Observed EIF4A3 MW:	47kd
Positive WB detected in	HeLa cells, HEK-293 cells, human lung tissue, mouse liver tissue, Raji cells
Positive IP detected in	HEK-293 cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:1000

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

### Immunogen information

Immunogen:	Ag0733
GenBank accession number:	BC004386
Gene ID (NCBI):	9775
Full name:	Eukaryotic translation initiation factor 4A, isoform 3

### Product information

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