

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 67740-1-Ig	<b>GenBank-Zugangsnummer:</b> BC003662	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 150ul, Konzentration: 500 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 9775	<b>CloneNo.:</b> 1G6H9
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> eukaryotic translation initiation factor 4A, isoform 3	<b>Empfohlene Verdünnungen:</b> WB 1:5000-1:50000 IHC 1:1250-1:5000
<b>Isotyp:</b> IgG2b	<b>Berechnete Masse:</b> 47 kDa	
<b>Immunogen Katalognummer:</b> AG11130	<b>Beobachtete Masse:</b> 47 kDa	

## Anwendungen

### Geprüfte Anwendungen:

IHC, WB, ELISA

### Getestete Reaktivität:

Human, Maus, Ratte

**Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

### Positivkontrollen:

WB : HEK-293-Zellen, HeLa-Zellen, HepG2-Zellen, Jurkat-Zellen, K-562-Zellen, NIH/3T3-Zellen, PC-12-Zellen

IHC : humanes Kolonkarzinomgewebe, humanes Nierenzellkarzinomgewebe

## Hintergrundinformationen

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 postslicing 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

## Lagerung

### Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

### Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

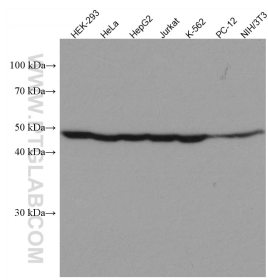
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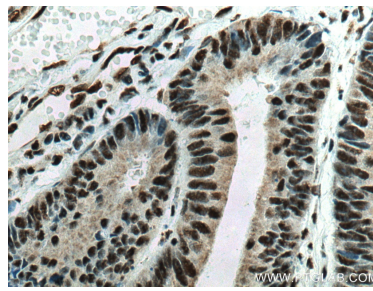
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W: ptglab.com

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## Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 67740-1-Ig (EIF4A3 antibody) at dilution of 1:25000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 67740-1-Ig (EIF4A3 antibody) at dilution of 1:2500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).