

For Research Use Only

EIF4A3 Monoclonal antibody, PBS Only



Catalog Number: 67740-1-PBS

Basic Information

Catalog Number: 67740-1-PBS	GenBank Accession Number: BC003662	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 9775	CloneNo.: 1G6H9
Source: Mouse	UNIPROT ID: P38919	
Isotype: IgG2b	Full Name: eukaryotic translation initiation factor 4A, isoform 3	
Immunogen Catalog Number: AG11130	Calculated MW: 47 kDa	
	Observed MW: 47 kDa	

Applications

Tested Applications:
WB, IF, IHC, Indirect ELISA

Species Specificity:
Human, mouse, rat

Background Information

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

Storage

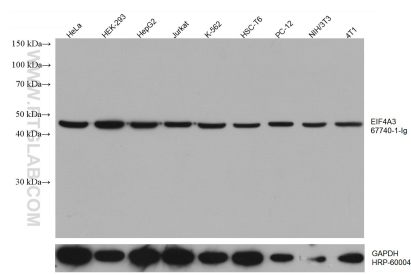
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

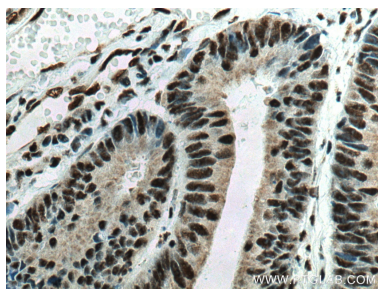
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

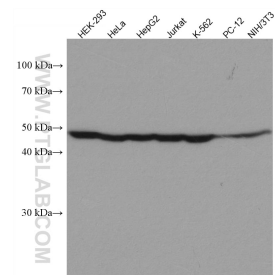
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67740-1-Ig (EIF4A3 antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 67740-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67740-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 67740-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using EIF4A3 antibody (67740-1-Ig, Clone: 1G6H9) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-phalloidin (red). This data was developed using the same antibody clone with 67740-1-PBS in a different storage buffer formulation.