

For Research Use Only

EIF4E3 Monoclonal antibody, PBS Only



Catalog Number: 68171-1-PBS

Basic Information

Catalog Number: 68171-1-PBS	GenBank Accession Number: BC031289	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 317649	CloneNo.: 2E9C4
Source: Mouse	UNIPROT ID: Q8N5X7	
Isotype: IgG2b	Full Name: eukaryotic translation initiation factor 4E family member 3	
Immunogen Catalog Number: AG11056	Calculated MW: 24 kDa	
	Observed MW: 24-30 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
human, rat, mouse

Background Information

EIF4E3, also known as Eukaryotic translation initiation factor 4E type 3, is a 224 amino acid protein, which recognizes and binds the 7-methylguanosine-containing mRNA cap during an early step in the initiation of protein synthesis. EIF4E3 acts as a tissue-specific tumor suppressor. For instance, eIF4E3 inhibits expression of both mRNA export and translation targets of eIF4E1, consistent with its nuclear and cytoplasmic localization. Importantly, eIF4E3 overexpression represses oncogenic transformation. (PMID: 23587918).

Storage

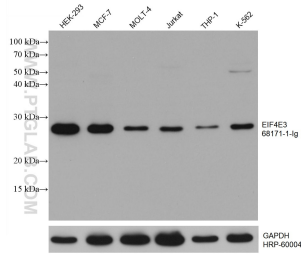
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

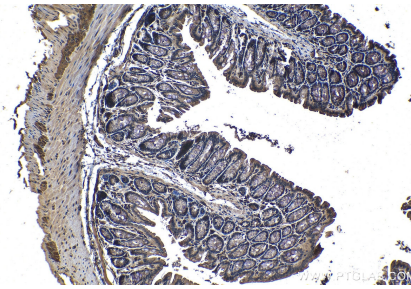
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

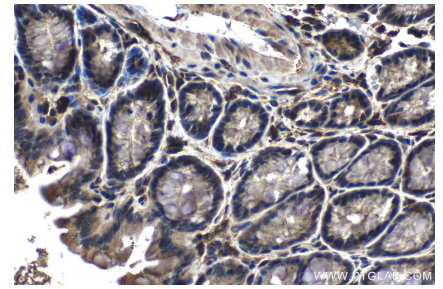
Selected Validation Data



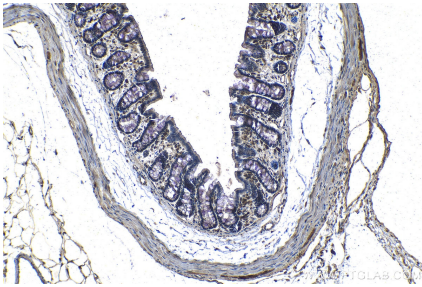
Various lysates were subjected to SDS PAGE followed by western blot with 68171-1-Ig (EIF4E3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 68171-1-PBS in a different storage buffer formulation.



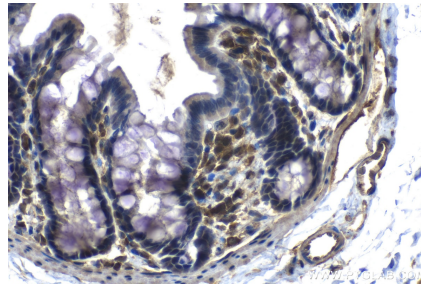
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 68171-1-Ig (EIF4E3 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68171-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 68171-1-Ig (EIF4E3 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68171-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat colon tissue slide using 68171-1-Ig (EIF4E3 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68171-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat colon tissue slide using 68171-1-Ig (EIF4E3 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68171-1-PBS in a different storage buffer formulation.