

For Research Use Only

EIF3M Monoclonal antibody

Catalog Number:**66025-1-Ig**



Basic Information

Catalog Number:	66025-1-Ig	GenBank Accession Number:	BC019103	Purification Method:	Protein A purification
Size:	150ul , Concentration: 1000 ug/ml by Nanodrop and 680 ug/ml by Bradford method using BSA as the standard;	GenelD (NCBI):	10480	CloneNo.:	2A12B2
Source:	Mouse	UNIPROT ID:	Q7L2H7	Recommended Dilutions:	WB 1:2000-1:10000 IHC 1:1000-1:4000 IF/ICC 1:400-1:1600
Isotype:	IgG2a	Full Name:	eukaryotic translation initiation factor 3, subunit M		
Immunogen Catalog Number:	AG17965	Calculated MW:	374 aa, 43 kDa		
		Observed MW:	35-43 kDa		

Applications

Tested Applications:	WB, IHC, IF/ICC, ELISA	Positive Controls:	
Species Specificity:	human, mouse, rat	WB :	HeLa cells, HepG2 cells, MCF-7 cells, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells, PC-12 cells, NIH/3T3 cells, RAW 264.7 cells
		IHC :	human colon cancer tissue, human cervical cancer tissue
		IF/ICC :	MCF-7 cells,

Background Information

EIF3M gene encodes eukaryotic translation initiation factor (eIF) subunit M, also called GA17 or PCID1. eIF-3 complex is required for several steps in the initiation of protein synthesis, and recent studies indicate that regulation of oncogene expression and neoplastic transformation are controlled by eIF subunits. The most uncharacterized non-core subunit EIF3M was confirmed to be highly expressed in human cancer cell lines and colon cancer patient tissues and mediate regulation of tumorigenesis-related genes in human colon cancer.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

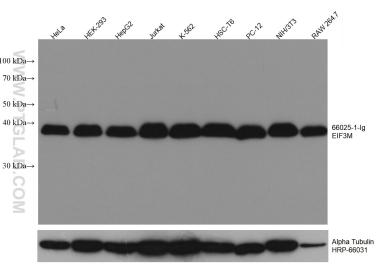
*** 20ul sizes contain 0.1% BSA

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)

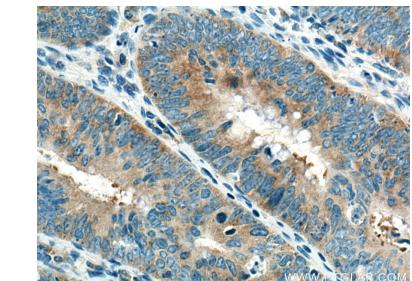
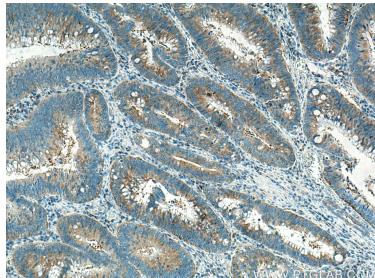
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data

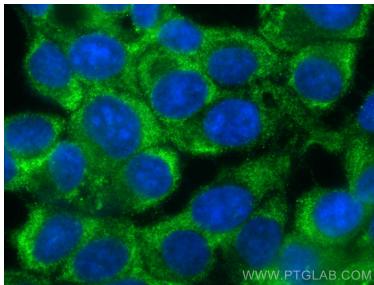


Various lysates were subjected to SDS PAGE followed by western blot with 66025-1-Ig (EIF3M antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 66025-1-Ig (EIF3M antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 66025-1-Ig (EIF3M antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using EIF3M antibody (66025-1-Ig, Clone: 2A12B2) at dilution of 1:800 and Multi-rAb Coralite ® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002).