

# EIF3M Monoclonal antibody

Catalog Number: 66025-1-Ig

## Basic Information

**Catalog Number:**

66025-1-Ig

**Size:**

1000 ug/ml

**Source:**

Mouse

**Isotype:**

IgG2a

**Immunogen Catalog Number:**

AG17965

**GenBank Accession Number:**

BC019103

**GeneID (NCBI):**

10480

**UNIPROT ID:**

Q7L2H7

**Full Name:**

eukaryotic translation initiation factor 3, subunit M

**Calculated MW:**

374 aa, 43 kDa

**Observed MW:**

35-43 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

2A12B2

**Recommended Dilutions:**

WB 1:2000-1:10000

IHC 1:1000-1:4000

IF/ICC 1:400-1:1600

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, ELISA

**Species Specificity:**

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**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:**

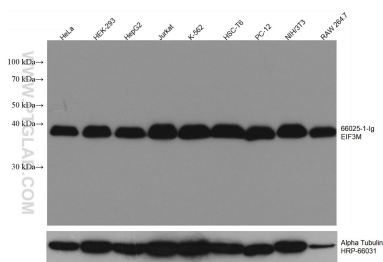
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

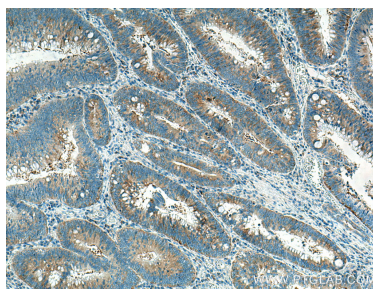
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

**Aliquoting is unnecessary for -20°C storage**

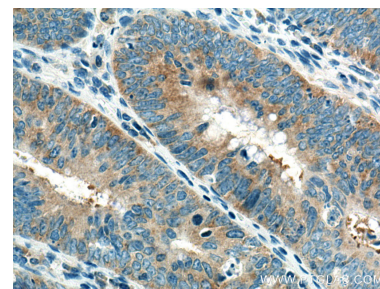
## Selected Validation Data



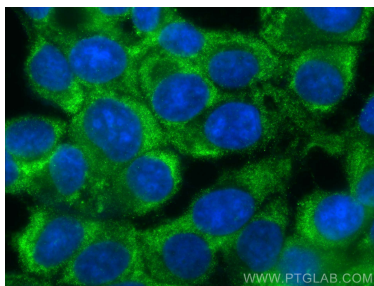
Various lysates were subjected to SDS PAGE followed by western blot with 66025-1-Ig (EIF3M antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



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).