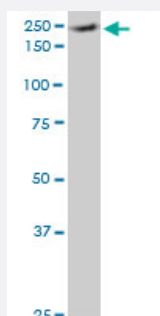


# EIF4G1 monoclonal antibody (M10), clone 2A9

Catalog # H00001981-M10

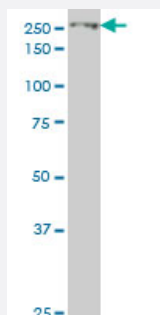
Size 100 ug

## Applications



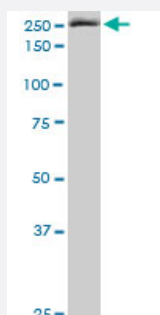
### Western Blot (Cell lysate)

EIF4G1 monoclonal antibody (M10), clone 2A9. Western Blot analysis of EIF4G1 expression in NIH/3T3(Cat # L018V1 ).



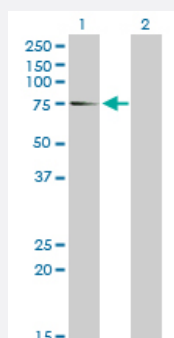
### Western Blot (Cell lysate)

EIF4G1 monoclonal antibody (M10), clone 2A9 Western Blot analysis of EIF4G1 expression in HepG2 ( Cat # L019V1 ).



### Western Blot (Cell lysate)

EIF4G1 monoclonal antibody (M10), clone 2A9. Western Blot analysis of EIF4G1 expression in PC-12(Cat # L012V1 ).



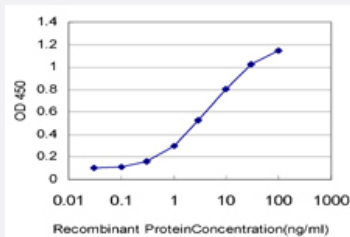
### Western Blot (Transfected lysate)

Western Blot analysis of EIF4G1 expression in transfected 293T cell line by EIF4G1 monoclonal antibody (M10), clone 2A9.

Lane 1: EIF4G1 transfected lysate(70.95 KDa).

Lane 2: Non-transfected lysate.

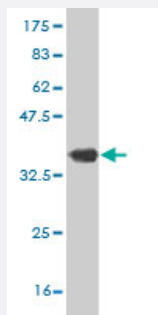
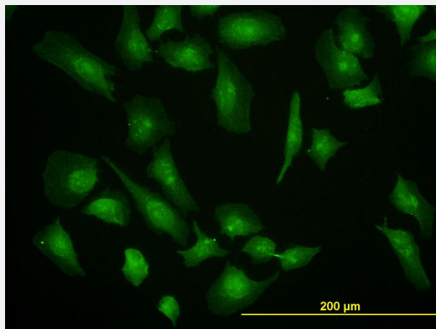
## Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged EIF4G1 is approximately 0.03ng/ml as a capture antibody.

## Immunofluorescence

Immunofluorescence of monoclonal antibody to EIF4G1 on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.74 KDa) .

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a partial recombinant EIF4G1.
<b>Immunogen</b>	EIF4G1 (NP_886553, 1500 a.a. ~ 1599 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	DVAVLKARAKLLQKYLCDQKELQALYALQALVVTLEQPPNLLRMFFDALYDEDVVKEDAFYSW ESSKDPAEQQGKGVALKSVTAFFKWLREAEESDHN
<b>Host</b>	Mouse
<b>Reactivity</b>	Human, Mouse, Rat
<b>Interspecies Antigen Sequence</b>	Mouse (94); Rat (93)
<b>Isotype</b>	IgG2b Kappa

**Quality Control Testing**

Antibody Reactive Against Recombinant Protein.  
Western Blot detection against Immunogen (36.74 KDa) .

**Storage Buffer**

In 1x PBS, pH 7.4

**Storage Instruction**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Cell lysate)

EIF4G1 monoclonal antibody (M10), clone 2A9. Western Blot analysis of EIF4G1 expression in NIH/3T3(Cat # L018V1 ).

[Protocol Download](#)

- Western Blot (Cell lysate)

EIF4G1 monoclonal antibody (M10), clone 2A9 Western Blot analysis of EIF4G1 expression in HepG2 ( Cat # L019V1 ).

[Protocol Download](#)

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EIF4G1 monoclonal antibody (M10), clone 2A9. Western Blot analysis of EIF4G1 expression in PC-12(Cat # L012V1 ).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of EIF4G1 expression in transfected 293T cell line by EIF4G1 monoclonal antibody (M10), clone 2A9.

Lane 1: EIF4G1 transfected lysate(70.95 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged EIF4G1 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to EIF4G1 on HeLa cell. [antibody concentration 10 ug/ml]

## Gene Info — EIF4G1

**Entrez GeneID** [1981](#)

**GeneBank Accession#** [NM\\_182917](#)

**Protein Accession#** [NP\\_886553](#)

**Gene Name** EIF4G1

**Gene Alias** DKFZp686A1451, EIF4F, EIF4G, p220

**Gene Description** eukaryotic translation initiation factor 4 gamma, 1

**Omim ID** [600495](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** The protein encoded by this gene is a component of the protein complex EIF4F, which is involved in the recognition of the mRNA cap, ATP-dependent unwinding of 5'-terminal secondary structure, and recruitment of mRNA to the ribosome. Alternative splicing results in five transcript variants encoding four distinct isoforms. [provided by RefSeq]

**Other Designations** EIF4-gamma

## Publication Reference

- [Remodeling of the ribosomal quality control and integrated stress response by viral ubiquitin deconjugases.](#)

Jiangnan Liu, Noemi Nagy, Carlos Ayala-Torres, Francisco Aguilar-Alonso, Francisco Morais-Esteves, Shanshan Xu, Maria G Masucci.

Nature Communications 2023 Dec; 14(1):8315.

Application: Co-IP, Human, HEK293T cells