

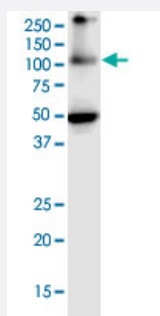
CX Grade

EIF2C2 monoclonal antibody (M01J), clone 2E12-1C9

Catalog # H00027161-M01J

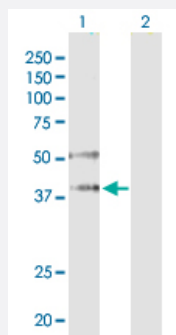
Size 100 ug

Applications



Western Blot (Cell lysate)

EIF2C2 monoclonal antibody (M01J), clone 2E12-1C9. Western Blot analysis of EIF2C2 expression in MCF-7.

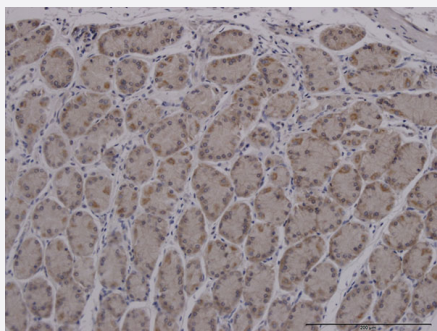


Western Blot (Transfected lysate)

Western Blot analysis of EIF2C2 expression in transfected 293T cell line by EIF2C2 monoclonal antibody (M01), clone 2E12-1C9.

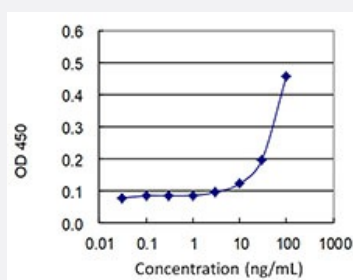
Lane 1: EIF2C2 transfected lysate (Predicted MW: 42.4 KDa).

Lane 2: Non-transfected lysate.



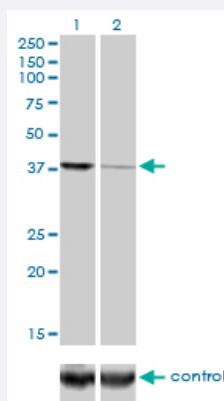
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to EIF2C2 on formalin-fixed paraffin-embedded human stomach. [antibody concentration 3 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged EIF2C2 is 3 ng/ml as a capture antibody.

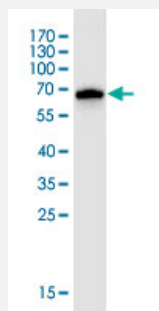
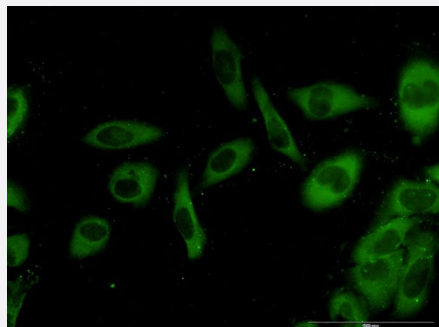


RNAi Knockdown (Antibody validated)

Western blot analysis of EIF2C2 over-expressed 293 cell line, cotransfected with EIF2C2 Validated Chimera RNAi (Cat # H00027161-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with EIF2C2 monoclonal antibody (M01), clone 2E12-1C9 (Cat # H00027161-M01). GAPDH (36.1 kDa) used as specificity and loading control.

Immunofluorescence

Immunofluorescence of monoclonal antibody to EIF2C2 on HeLa cell .
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (68.03 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant EIF2C2.
This product is belong to Cell Culture Grade Antibody (CX Grade).

Immunogen

EIF2C2 (AAH07633.1, 483 a.a. ~ 859 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MPIQGQPCFCKYAQGADSVEPMFRHLKNTYAGLQLVVVILPGKTPVYAEVKRVGDTVLGMATQC
VQMKNVQRTTPQTLNLCIKINVKLGGVNNILLPQGRPPVFQQPVIFLGADVTHPPAGDGKKPSIA
AVVGSM DAHPNRYCATVRVQQHRQEIIQDLAAMVRELLIQFYKSTRFKPTRIIFYRDGVSEGGFQQ
VLHHELLAIREACIKLEKDYQPGITFIVVQKRHHTRLFCTDKNERVGKSGNIPAGTTVDTKITHPTFED
FYLCSHAGIQGTSRPSHYHVLWDDNRFSSDELQILTYQLCHTYVRCTRSVSIPAPAYAAHLVAFRA
RYHLVDKEHDSAEGSHTSGQSNRGRDHQALAKAVQVHQDTLRTMYFA

Host

Mouse

Reactivity	Human
Interspecies Antigen Sequence	Mouse (100); Rat (99)
Preparation Method	Cell Culture Production
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (68.03 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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- Western Blot (Cell lysate)

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[Protocol Download](#)

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Lane 1: EIF2C2 transfected lysate (Predicted MW: 42.4 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

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- ELISA

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[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of monoclonal antibody to EIF2C2 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — EIF2C2

Entrez GeneID	27161
GeneBank Accession#	BC007633.1
Protein Accession#	AAH07633.1
Gene Name	EIF2C2
Gene Alias	AGO2, MGC3183, Q10
Gene Description	eukaryotic translation initiation factor 2C, 2
Omim ID	606229
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the Argonaute family of proteins which play a role in RNA interference. The encoded protein is highly basic, and contains a PAZ domain and a PIWI domain. It may interact with dicer1 and play a role in short-interfering-RNA-mediated gene silencing. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	argonaute 2

Disease

- [Adenocarcinoma](#)
- [Carcinoma](#)
- [Esophageal Neoplasms](#)

- [Genetic Predisposition to Disease](#)
- [Kidney Neoplasms](#)
- [Lung Neoplasms](#)
- [Mouth Neoplasms](#)
- [Precancerous Conditions](#)