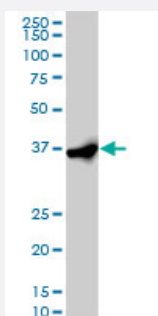


EIF2S1 monoclonal antibody (M01), clone 3H12-C11

Catalog # H00001965-M01

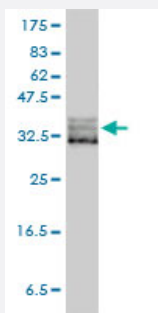
Size 100 ug

Applications



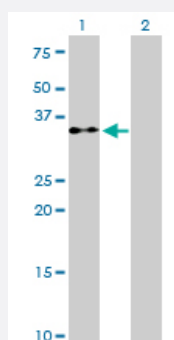
Western Blot (Cell lysate)

EIF2S1 monoclonal antibody (M01), clone 3H12-C11. Western Blot analysis of EIF2S1 expression in HeLa S3 NE (Cat # L013V3).



Western Blot (Cell lysate)

EIF2S1 monoclonal antibody (M01), clone 3H12-C11 Western Blot analysis of EIF2S1 expression in HeLa (Cat # L013V1).

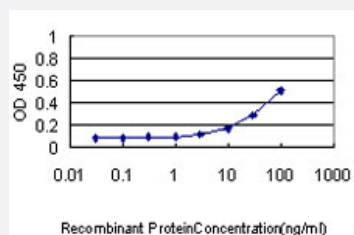


Western Blot (Transfected lysate)

Western Blot analysis of EIF2S1 expression in transfected 293T cell line by EIF2S1 monoclonal antibody (M01), clone 3H12-C11.

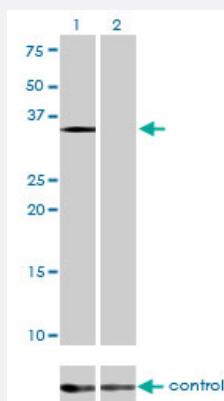
Lane 1: EIF2S1 transfected lysate(36.1 KDa).

Lane 2: Non-transfected lysate.



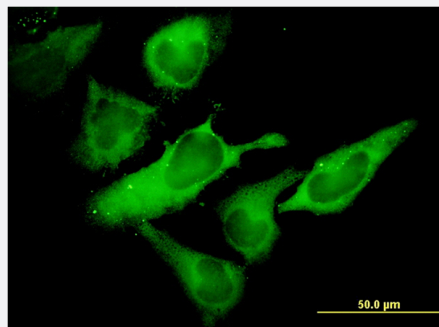
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged EIF2S1 is approximately 0.3ng/ml as a capture antibody.



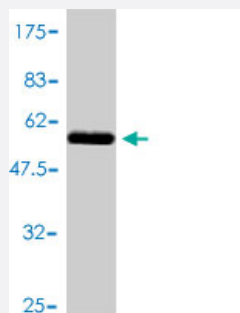
RNAi Knockdown (Antibody validated)

Western blot analysis of EIF2S1 over-expressed 293 cell line, cotransfected with EIF2S1 Validated Chimera RNAi (Cat # H00001965-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with EIF2S1 monoclonal antibody (M01), clone 3H12-C11 (Cat # H00001965-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Immunofluorescence

Immunofluorescence of monoclonal antibody to EIF2S1 on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (60.39 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant EIF2S1.

Immunogen

EIF2S1 (AAH02513.1, 1 a.a. ~ 315 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MPGLSCRFYQHKFPEVEDVVMVNVRSIAEMGAYVSLLEYNNIEGMILLSELSRRRRIRSINKLIRGRN
ECVVVIRVDKEKGYDLSKRRVSPEEAIKCEDKFTKSKTVYSILRHVAEVLEYTKDEQLESILFQRTA
WVFDDKYKRPGYGAYDAFKHAVSDPSILDSLNLNEDEREVLINNINRRLTPQAVKIRADIEVACYGY
EGIDAVKEALRAGLNCSTENMPIKINLIAPPRYVMTTTLTERTEGLSVLSQAMAVIKEKIEEKRGVFN
VQMEPKVVTDDETALARQMERLERENAEVDGDDDAEEMEAKAED

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Mouse (99); Rat (99)
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (60.39 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)

EIF2S1 monoclonal antibody (M01), clone 3H12-C11. Western Blot analysis of EIF2S1 expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

- Western Blot (Cell lysate)

EIF2S1 monoclonal antibody (M01), clone 3H12-C11 Western Blot analysis of EIF2S1 expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of EIF2S1 expression in transfected 293T cell line by EIF2S1 monoclonal antibody (M01), clone 3H12-C11.

Lane 1: EIF2S1 transfected lysate(36.1 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged EIF2S1 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of EIF2S1 over-expressed 293 cell line, cotransfected with EIF2S1 Validated Chimera RNAi (Cat # H00001965-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with EIF2S1 monoclonal antibody (M01), clone 3H12-C11 (Cat # H00001965-M01). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of monoclonal antibody to EIF2S1 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — EIF2S1

Entrez GeneID [1965](#)

GeneBank Accession# [BC002513](#)

Protein Accession# [AAH02513.1](#)

Gene Name EIF2S1

Gene Alias EIF-2, EIF-2A, EIF-2alpha, EIF2, EIF2A

Gene Description eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa

Omim ID [603907](#)

Gene Ontology [Hyperlink](#)

Gene Summary The translation initiation factor eIF2 catalyzes the first regulated step of protein synthesis initiation, promoting the binding of the initiator tRNA to 40S ribosomal subunits. Binding occurs as a ternary complex of methionyl-tRNA, eIF2, and GTP. eIF2 is composed of 3 nonidentical subunits, alpha (36 kD), beta (38 kD, MIM 603908), and gamma (52 kD, MIM 300161). The rate of formation of the ternary complex is modulated by the phosphorylation state of eIF2-alpha (Ernst et al., 1987 [PubMed 2948954]).[supplied by OMIM]

Other Designations eIF-2-alpha|eukaryotic translation initiation factor 2, subunit 1 (alpha, 35kD)

Publication Reference

- [IGF2BP1 enhances HCV IRES-mediated translation initiation via the 3'UTR.](#)

Weinlich S, Huttelmaier S, Schierhorn A, Behrens SE, Ostareck-Lederer A, Ostareck DH.

RNA 2009 Aug; 15(8):1528.

Application: WB-Ce, WB-Tr, Human, Huh7 cells

Disease

- [Hepatitis B](#)