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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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

Catalog # : H00001965-M01

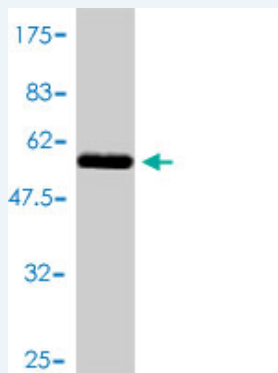
規格 : [100 ug]

[List All](#)

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:	MPGLSCRFYQHKFPEVEDVMMVNRSAEMGAYVSLLEYNNIEGMILLSE LSRRRIRSINKLIRIGRNECVVIRVDKEKGYIDLKRRVSPPEAIKCEDKFT KSKTVYSILRHVAEVLEYTKDEQLESFQRTAWWFDDKYKRPYGAYDA FKHAVSDPSILDSLNLNEDEREVLINNINRRLTPQAVKIRADIEVACYGYEGI DAVKEALRAGLNCSTENMPIKINLIAPPRYVMTTTTLERTEGLSVLSQAMA VIKEKIEEKRGVFNVMQMEPKVVTDTDETELARQMERLERENAEVDGDDD AEEMEAKAED
Host:	Mouse
Reactivity:	Human
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.

MSDS: [Download](#)

Datasheet: [Download](#)

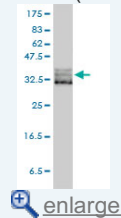
Publication Reference

1. 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):1528-42. Epub 2009 Jun 18.

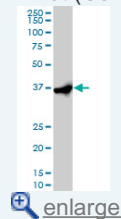
Applications

Application Image

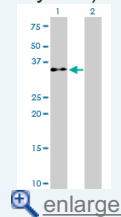
Western Blot (Cell lysate)



Western Blot (Cell lysate)

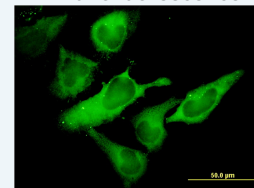


Western Blot (Transfected lysate)

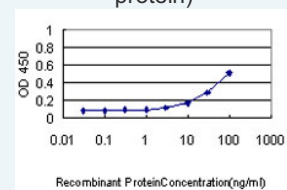


Western Blot (Recombinant protein)

Immunofluorescence



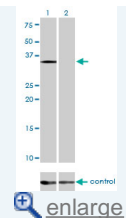
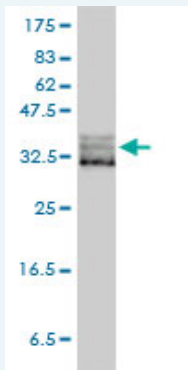
Sandwich ELISA (Recombinant protein)



ELISA

RNAi Knockdown (Antibody validated)

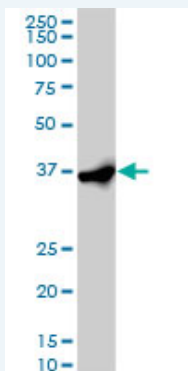
Western Blot (Cell lysate)



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

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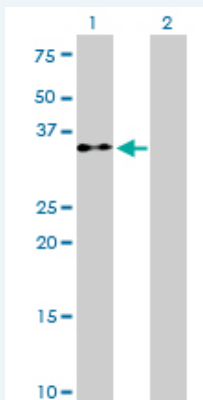
Western Blot (Cell lysate)



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

 [Protocol Download](#)

Western Blot (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).

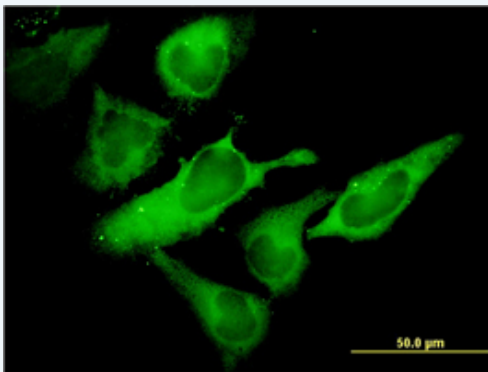
Lane 2: Non-transfected lysate.

 [Protocol Download](#)

Western Blot (Recombinant protein)

 [Protocol Download](#)

Immunofluorescence

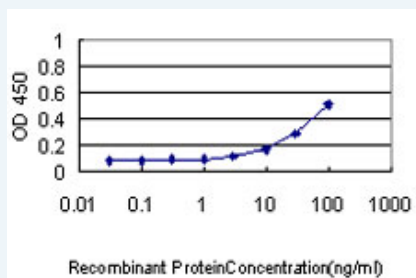


[enlarge this image](#)

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

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Sandwich ELISA (Recombinant protein)

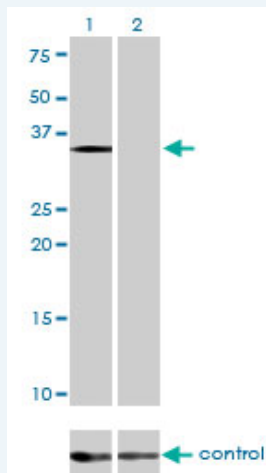


Detection limit for recombinant GST tagged EIF2S1 is approximately 0.3ng/ml as a capture antibody.

[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.

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Gene Information

Entrez GeneID: [1965](#)

GeneBank [BC002513](#)

Accession#:

Protein [AAH02513.1](#)

Accession#:

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)

Related Disease

[Hepatitis B](#) [Hepatitis B, Chronic](#)

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