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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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EIF2AK2 monoclonal antibody (M02), clone 1D11

產品編號 # : H00005610-M02

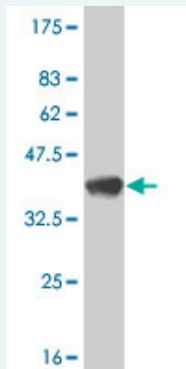
規格 : [100 ug]

[List All](#)

Specification

Product Description:	Mouse monoclonal antibody raised against a partial recombinant EIF2AK2.
Immunogen:	EIF2AK2 (NP_002750, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MAGDLSAGFFMEELNTYRQKQGVVLKYQELPNSGPPHRRFTFQVIIDG REFPEGEGRSKKEAKNAAKLAVEILNKEKKAVSPLLLTTTNSSEGLSMG N
Host:	Mouse
Reactivity:	Human
Isotype:	IgG1 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.

MSDS: [Download](#)

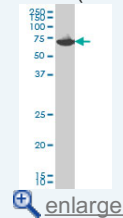
Datasheet: [Download](#)

Publication Reference

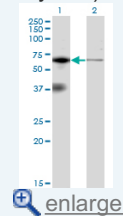
- [PKR negatively regulates leukemia progression in association with PP2A activation, Bcl-2 inhibition and increased apoptosis.](#)
Cheng X, Bennett RL, Liu X, Byrne M, Stratford May W *Blood Cancer J.* 2013 Sep 6;3:e144. doi: 10.1038/bcj.2013.42.
- [PKR regulates proliferation, differentiation and survival of murine hematopoietic stem/progenitor cells.](#)
Liu X, Bennett RL, Cheng X, Byrne M, Reinhard MK, May WS Jr *Blood.* 2013 Feb 14.
- [Increased Expression of the dsRNA-Activated Protein Kinase PKR in Breast Cancer Promotes Sensitivity to Doxorubicin.](#)

Application Image

Western Blot (Cell lysate)

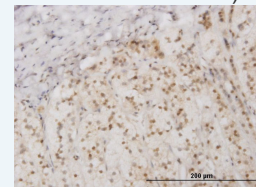


Western Blot (Transfected lysate)

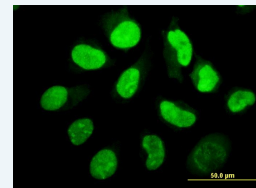


Western Blot (Recombinant protein)

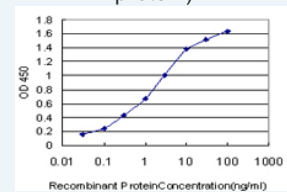
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)



Immunofluorescence



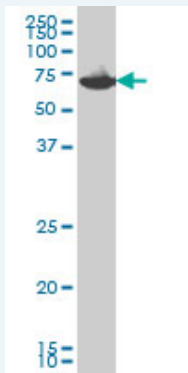
Sandwich ELISA (Recombinant protein)



ELISA

Applications

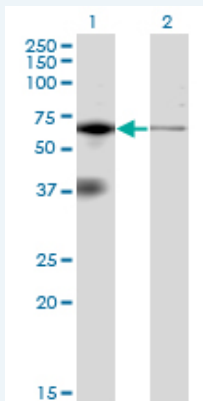
Western Blot (Cell lysate)



EIF2AK2 monoclonal antibody (M02), clone 1D11 Western Blot analysis of EIF2AK2 expression in K-562 (Cat # L009V1).


 [Protocol Download](#)

Western Blot (Transfected lysate)



Western Blot analysis of EIF2AK2 expression in transfected 293T cell line by EIF2AK2 monoclonal antibody (M02), clone 1D11.

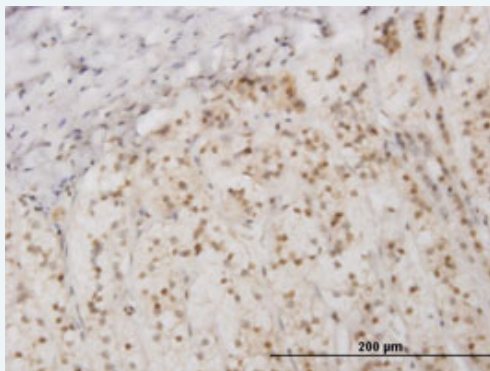
Lane 1: EIF2AK2 transfected lysate(62.1 KDa).
Lane 2: Non-transfected lysate.


 [Protocol Download](#)

Western Blot (Recombinant protein)

 [Protocol Download](#)

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

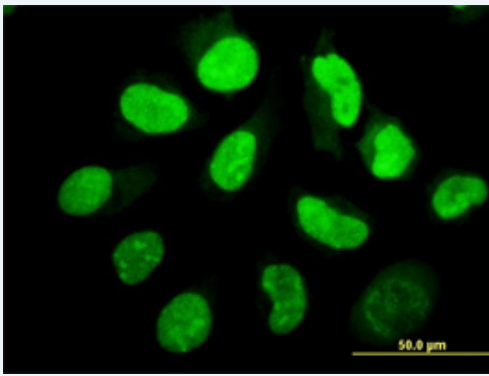


 [enlarge this image](#)

Immunoperoxidase of monoclonal antibody to EIF2AK2 on formalin-fixed paraffin-embedded human adrenal gland. [antibody concentration 1.5 ug/ml]

 [Protocol Download](#)

Immunofluorescence

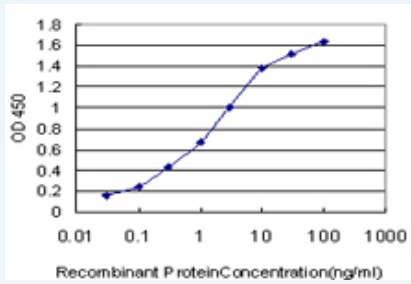


[enlarge this image](#)

Immunofluorescence of monoclonal antibody to EIF2AK2 on HeLa cell. [antibody concentration 30 ug/ml]

[Protocol Download](#)

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged EIF2AK2 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [5610](#)

GeneBank [NM_002759](#)

Accession#:

Protein [NP_002750](#)

Accession#:

Gene Name: EIF2AK2

Gene Alias: EIF2AK1, MGC126524, PKR, PRKR

Gene Description: eukaryotic translation initiation factor 2-alpha kinase 2

Omim ID: [176871](#)

Gene Ontology: [Hyperlink](#)

Other Designations: OTTHUMP00000126954, double stranded RNA activated protein kinase, interferon-inducible eIF2alpha kinase, protein kinase, interferon-inducible double stranded RNA dependent

Related Disease

[Abortion](#), [Spontaneous Brain Ischemia](#) [Cardiovascular Diseases](#) [Coronary Disease](#) [Genetic Predisposition to Disease](#) [Hepatitis B](#) [Hepatitis C](#) [Hepatitis C, Chronic](#) [Liver Cirrhosis](#) [Myocardial Infarction](#) [Ovarian Neoplasms](#) [Stroke](#)

