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EIF2AK2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant EIF2AK2.
Catalog # AT1870a

Specification

EIF2AK2 Antibody (monoclonal) (M01) - Product Information

Application	**IF, WB, IHC, E**
Primary Accession	P19525
Other Accession	NM_002759
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**62094**

EIF2AK2 Antibody (monoclonal) (M01) - Additional Information

Gene ID 5610

Other Names
Interferon-induced, double-stranded RNA-activated protein kinase, Eukaryotic translation initiation factor 2-alpha kinase 2, eIF-2A protein kinase 2, Interferon-inducible RNA-dependent protein kinase, P1/eIF-2A protein kinase, Protein kinase RNA-activated, PKR, Protein kinase R, Tyrosine-protein kinase EIF2AK2, p68 kinase, EIF2AK2, PKR, PRKR

Target/Specificity
EIF2AK2 (NP_002750, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

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

Precautions
EIF2AK2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

EIF2AK2 Antibody (monoclonal) (M01) - Protocols

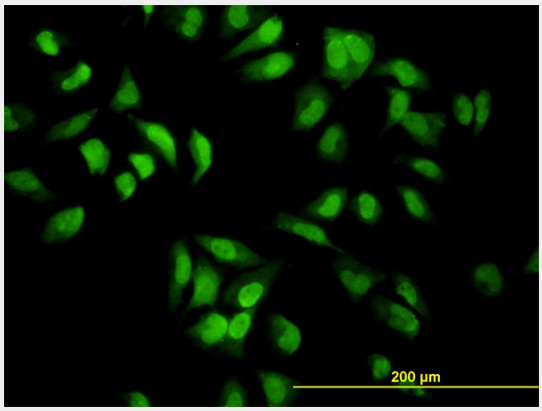
Provided below are standard protocols that you may find useful for product applications.

- Western Blot

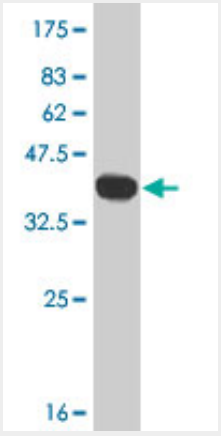
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- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

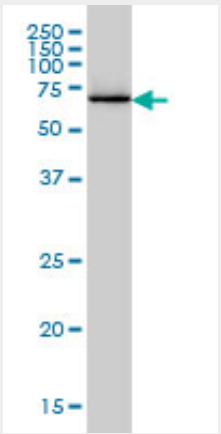
EIF2AK2 Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to EIF2AK2 on HeLa cell. [antibody concentration 10 ug/ml]

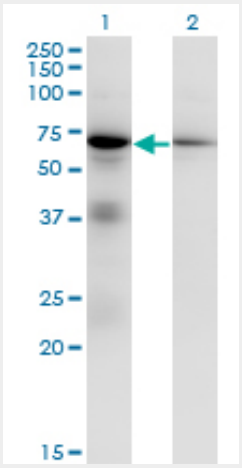


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



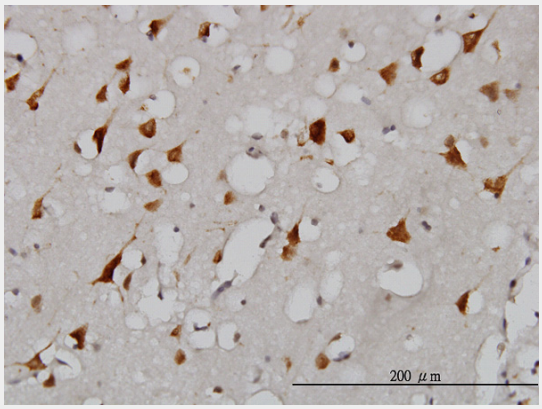
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EIF2AK2 monoclonal antibody (M01), clone 1B9. Western Blot analysis of EIF2AK2 expression in MCF-7 ((Cat # AT1870a)

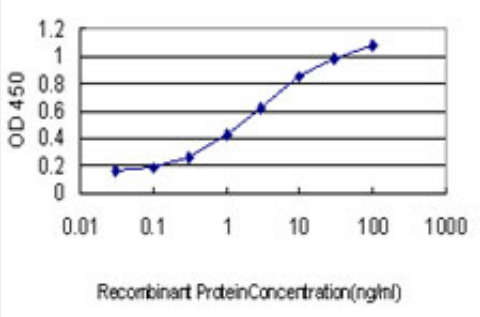


Western Blot analysis of EIF2AK2 expression in transfected 293T cell line by EIF2AK2 monoclonal antibody (M01), clone 1B9.

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



Immunoperoxidase of monoclonal antibody to EIF2AK2 on formalin-fixed paraffin-embedded human cerebral cortex. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged EIF2AK2 is approximately 0.1ng/ml as a capture antibody.

EIF2AK2 Antibody (monoclonal) (M01) - References

Evaluation of candidate stromal epithelial cross-talk genes identifies association between risk of

serous ovarian cancer and TERT, a cancer susceptibility hot-spot. Johnatty SE, et al. PLoS Genet, 2010 Jul 8. PMID 20628624.Dengue hemorrhagic fever is associated with polymorphisms in JAK1. Silva LK, et al. Eur J Hum Genet, 2010 Jun 30. PMID 20588308.Examination of genetic polymorphisms in newborns for signatures of sex-specific prenatal selection. Ucisik-Akkaya E, et al. Mol Hum Reprod, 2010 Oct. PMID 20587610.Hepatitis C virus controls interferon production through PKR activation. Arnaud N, et al. PLoS One, 2010 May 11. PMID 20485506.Regulation of PKR by HCV IRES RNA: importance of domain II and NS5A. Toroney R, et al. J Mol Biol, 2010 Jul 16. PMID 20447405.