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EIF2AK2 Antibody (monoclonal) (M01)

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

Product Information

Application	WB, IHC, IF, E
Primary Accession	P19525
Other Accession	NM_002759
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1B9
Calculated MW	62094

Additional Information

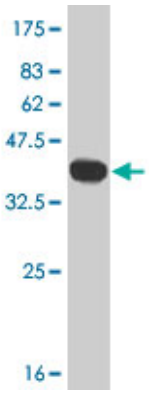
Gene ID	5610
Other Names	Interferon-induced, double-stranded RNA-activated protein kinase, Eukaryotic translation initiation factor 2-alpha kinase 2, eIF-2A protein kinase 2, Interferon-inducible RNA-dependent protein kinase, P1/eIF-2A protein kinase, Protein kinase RNA-activated, PKR, Protein kinase 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 IHC~~1:100~500 IF~~1:50~200 E~~N/A
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.

References

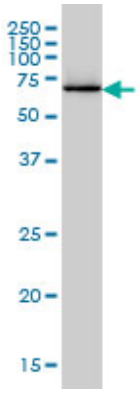
Evaluation of candidate stromal epithelial cross-talk genes identifies association between risk of serous ovarian cancer and TERT, a cancer susceptibility hot-spot. Johnatty SE, et al. PLoS Genet, 2010 Jul 8. PMID 20628624.Dengue hemorrhagic fever is associated with polymorphisms in JAK1. Silva LK, et 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.

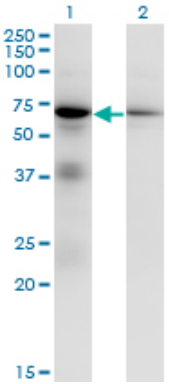
Images



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

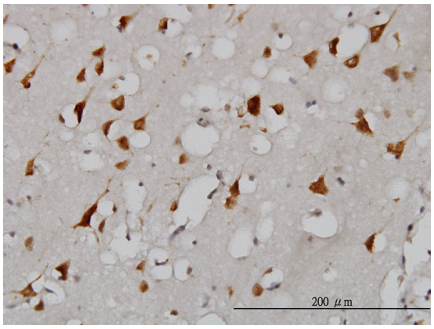


EIF2AK2 monoclonal antibody (M01), clone 1B9. Western Blot analysis of EIF2AK2 expression in MCF-7 ((Cat # AT1870a)



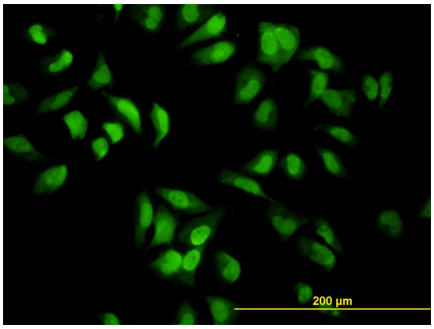
Western Blot analysis of EIF2AK2 expression in transfected 293T cell line by EIF2AK2 monoclonal antibody (M01), clone 1B9.

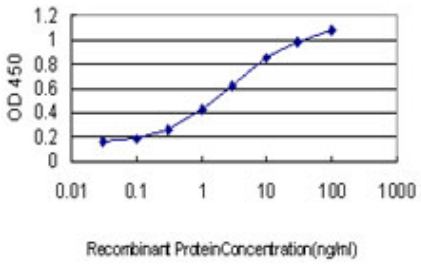
Lane 1: EIF2AK2 transfected lysate(62.1 KDa).
Lane 2: Non-transfected lysate.



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

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





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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.