

EIF2AK2 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant EIF2AK2.

Catalog # AT1871a

Product Information

Application	WB, IHC, IF, E
Primary Accession	P19525
Other Accession	NM_002759
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	1D11
Calculated MW	62094

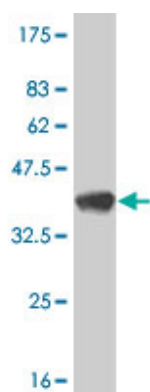
Additional Information

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) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

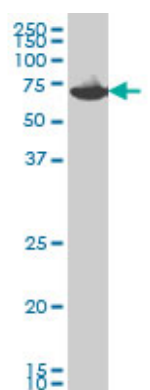
References

1.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 WBlood Cancer J. 2013 Sep 6;3:e144. doi: 10.1038/bcj.2013.42.2.PKR regulates proliferation, differentiation and survival of murine hematopoietic stem/progenitor cells.Liu X, Bennett RL, Cheng X, Byrne M, Reinhard MK, May WS JrBlood. 2013 Feb 14.3.Increased Expression of the dsRNA-Activated Protein Kinase PKR in Breast Cancer Promotes Sensitivity to Doxorubicin.Bennett RL, Carruthers AL, Hui T, Kerney KR, Liu X, May WS Jr.PLoS One. 2012;7(9):e46040.

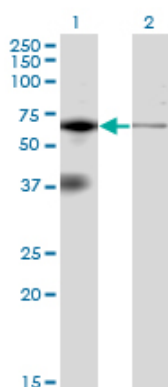
Images



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

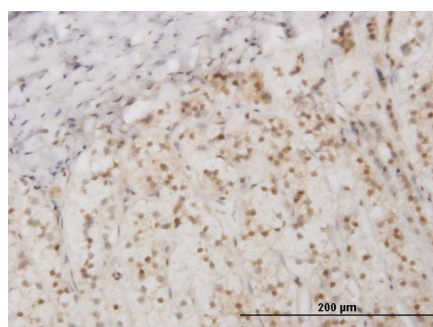


EIF2AK2 monoclonal antibody (M02), clone 1D11 Western Blot analysis of EIF2AK2 expression in K-562 ((Cat # AT1871a)



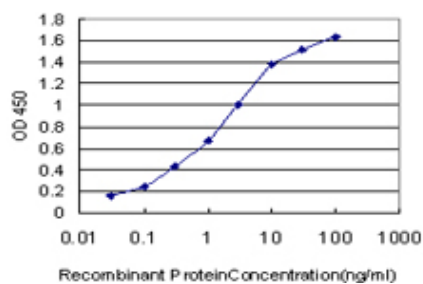
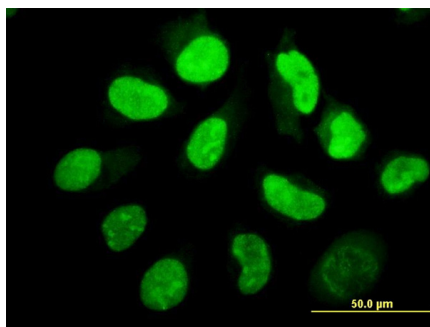
Western Blot analysis of EIF2AK2 expression in transfected 293T cell line by EIF2AK2 monoclonal antibody (M02), clone 1D11.

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



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

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



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

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