

EIF2AK2 Antibody (monoclonal) (M02)**Mouse monoclonal antibody raised against a partial recombinant EIF2AK2.****Catalog # AT1871a****Specification**

EIF2AK2 Antibody (monoclonal) (M02) - Product Information

Application	WB, IHC, IF, E
Primary Accession	P19525
Other Accession	NM_002759
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	62094

EIF2AK2 Antibody (monoclonal) (M02) - 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

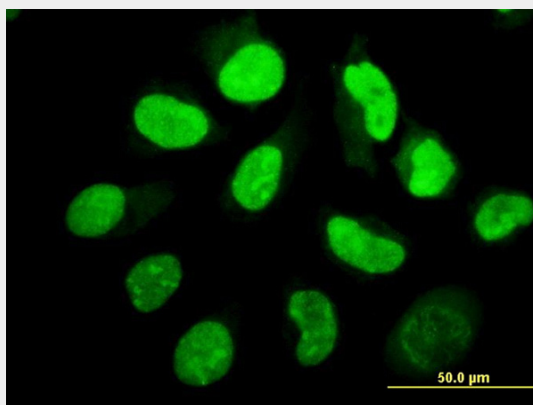
EIF2AK2 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

EIF2AK2 Antibody (monoclonal) (M02) - Protocols

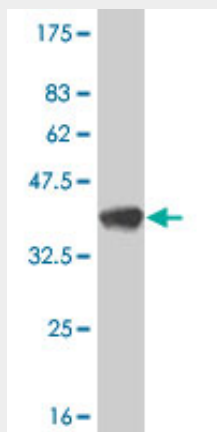
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

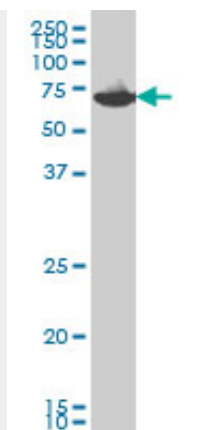
EIF2AK2 Antibody (monoclonal) (M02) - Images



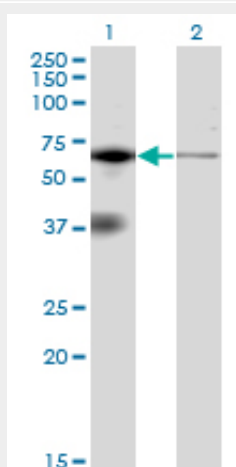
Immunofluorescence of monoclonal antibody to EIF2AK2 on HeLa cell. [antibody concentration 30 ug/ml]



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



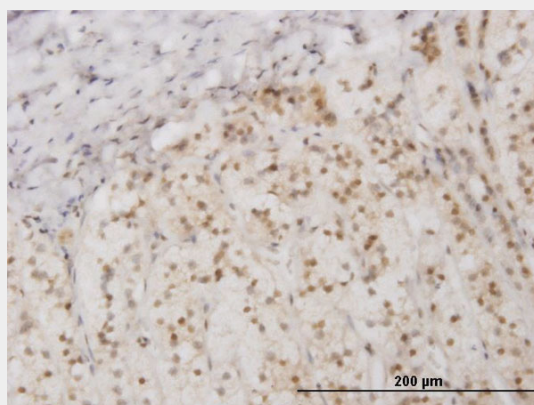
EIF2AK2 monoclonal antibody (M02), clone 1D11 Western Blot analysis of EIF2AK2 expression in K-562 (Cat # AT1871a)



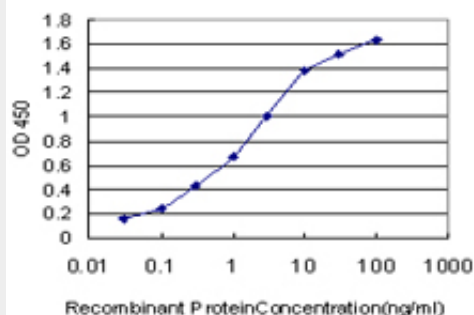
Western Blot analysis of EIF2AK2 expression in transfected 293T cell line by EIF2AK2 monoclonal antibody (M02), clone 1D11.

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]



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

EIF2AK2 Antibody (monoclonal) (M02) - 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 W. *Blood 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 Jr. *Blood.* 2013 Feb 14;121(8):1400-1410. 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. doi: 10.1371/journal.pone.0046040. Epub 2012 Sep 24.