

Product Datasheet

PKR Antibody (1D11) - Azide and BSA Free H00005610-M02

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00005610-M02

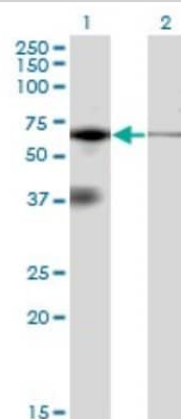
PKR Antibody (1D11) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1D11
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	5610
Gene Symbol	EIF2AK2
Species	Human, Mouse
Specificity/Sensitivity	EIF2AK2 (1D11)
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. MAGDLSAGFFMEELNTYRQKQGVLKYQELPNSGPPHRRFTFQVIIDGREFP EGEGRSKKEAKNAAKLAVEILNKEKKAVSPLLLTTTNSSEGLSMGN
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IF, IHC-P and ELISA.

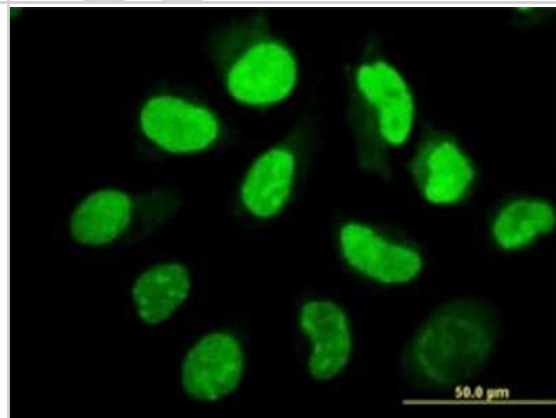


Images

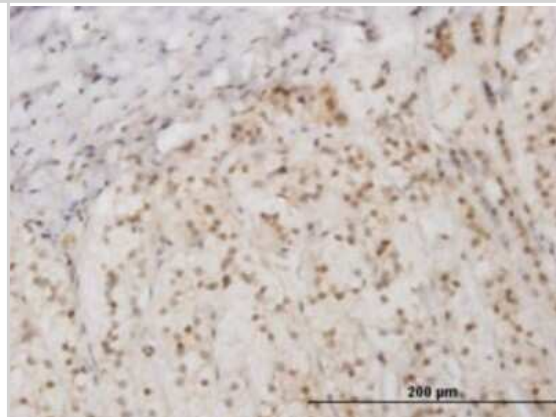
Western Blot: PKR Antibody (1D11) [H00005610-M02] - Analysis of EIF2AK2 expression in transfected 293T cell line by EIF2AK2 monoclonal antibody (M02), clone 1D11. Lane 1: EIF2AK2 transfected lysate (62.1 KDa). Lane 2: Non-transfected lysate.



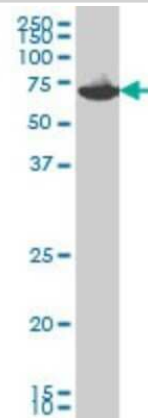
Immunocytochemistry/Immunofluorescence: PKR Antibody (1D11) [H00005610-M02] - Analysis of monoclonal antibody to EIF2AK2 on HeLa cell. Antibody concentration 30 ug/ml.



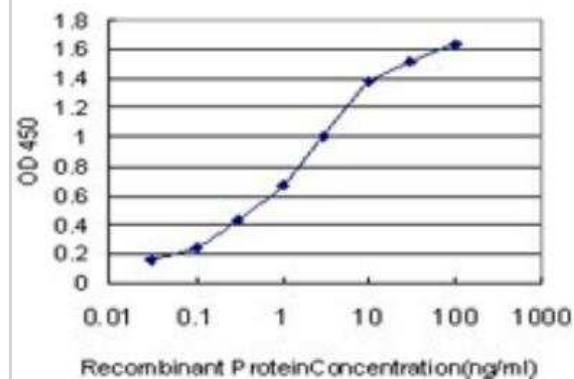
Immunohistochemistry-Paraffin: PKR Antibody (1D11) [H00005610-M02] - Analysis of monoclonal antibody to EIF2AK2 on formalin-fixed paraffin-embedded human adrenal gland. Antibody concentration 1.5 ug/ml.



Western Blot: PKR Antibody (1D11) [H00005610-M02] - EIF2AK2 monoclonal antibody (M02), clone 1D11 Analysis of EIF2AK2 expression in K-562.



ELISA: PKR Antibody (1D11) [H00005610-M02] - Detection limit for recombinant GST tagged EIF2AK2 is approximately 0.03ng/ml as a capture antibody.



Publications

Bennett RL, Carruthers AL, Hui T et al. Increased Expression of the dsRNA-Activated Protein Kinase PKR in Breast Cancer Promotes Sensitivity to Doxorubicin. PLoS One. 2012-09-24 [PMID: 23029376]

Cheng X, Bennett RL, Liu X et al. PKR negatively regulates leukemia progression in association with PP2A activation, Bcl-2 inhibition and increased apoptosis. Blood Cancer J. 2013-09-06 [PMID: 24013665]

Liu X, Bennett RL, Cheng X et al. PKR regulates proliferation, differentiation, and survival of murine hematopoietic stem/progenitor cells. Blood. 2013-04-25 [PMID: 23403623] (WB)



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Products Related to H00005610-M02

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00005610-Q01-10ug	Recombinant Human PKR GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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