

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.

www.novusbio.com



technical@novusbio.com

Publications: 3

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/H00005610-M02

Updated 2/21/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/H00005610-M02



H00005610-M02

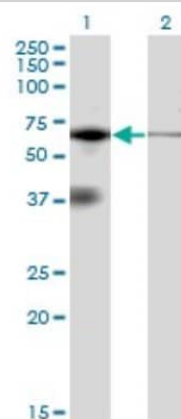
PKR Antibody (1D11) - Azide and BSA Free

| 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 EGEGRSKKEAKNAAAKLAVEILNKEKKAVSPLLLTTTNSSEGLSMGN |
| Notes | This product is produced by and distributed for Abnova, a company based in Taiwan. |
| Product Application Details | |
| Applications | Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin |
| 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. |

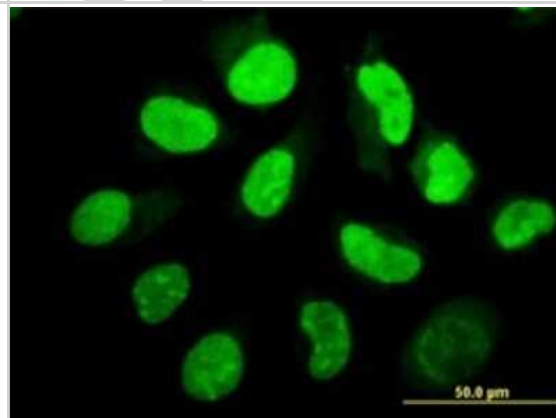


Images

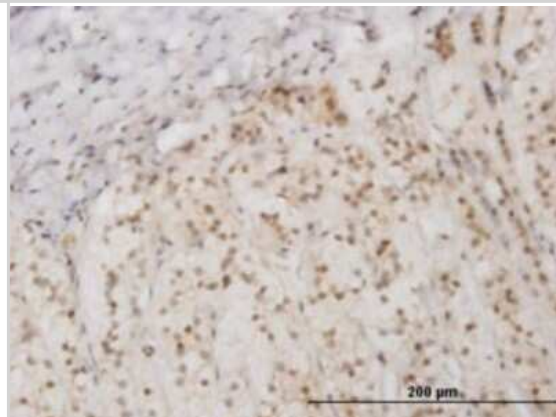
Western Blot: PKR Antibody (1D11) [H00005610-M02] - Analysis of EIF2AK2 expression in transfected 293T cell line by EIF2AK2 monoclonal antibody (M02), clone 1D11. Lane 1: EIF2AK2 transfected lysate (62.1 KDa). Lane 2: Non-transfected lysate.



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



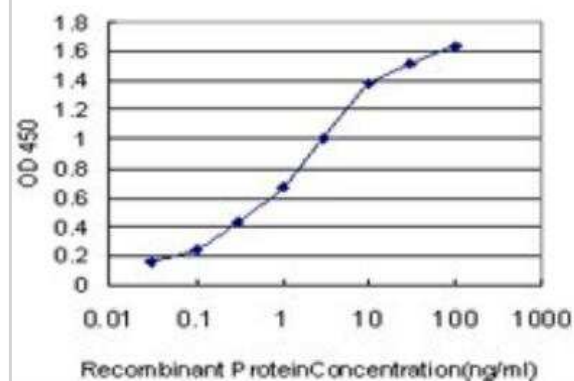
Immunohistochemistry-Paraffin: PKR Antibody (1D11) [H00005610-M02] - Analysis of monoclonal antibody to EIF2AK2 on formalin-fixed paraffin-embedded human adrenal gland. Antibody concentration 1.5 ug/ml.



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)



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/H00005610-M02

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

