

# Product Datasheet

## PKR Antibody - BSA Free NBP1-77266

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP1-77266**

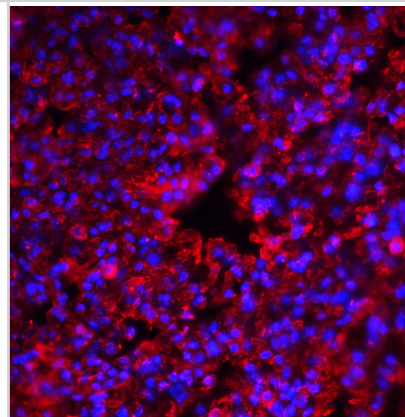
PKR Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	68 kDa
Product Description	
Description	Novus Biologicals Rabbit PKR Antibody - BSA Free (NBP1-77266) is a polyclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-PKR Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5610
Gene Symbol	EIF2AK2
Species	Human, Mouse, Rat
Specificity/Sensitivity	Human PKR has 2 isoforms, including isoform 1 (551aa, 62.1kD) and isoform S (510aa, 57.4kD). This antibody detects both human isoforms. Mouse PKR has 1 isoform (515aa, 58.3kD). Rat PKR has only one isoform identified so far (513aa, 58.3kD).
Immunogen	Antibody was raised against a 14 amino acid synthetic peptide near the carboxy terminus of human PKR. The immunogen is located within the last 50 amino acids of PKR. Amino Acid Sequence: TVWKK SPEKNERHT
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1 ug/ml, ELISA 1:100-1:2000, Immunohistochemistry 2.5-5 ug/ml, Immunocytochemistry/ Immunofluorescence 20 ug/ml, Immunohistochemistry-Paraffin 2.5-5 ug/ml

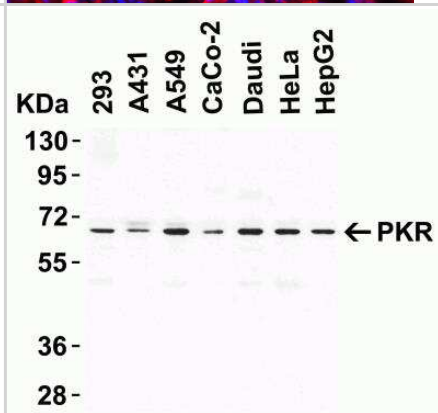


## Images

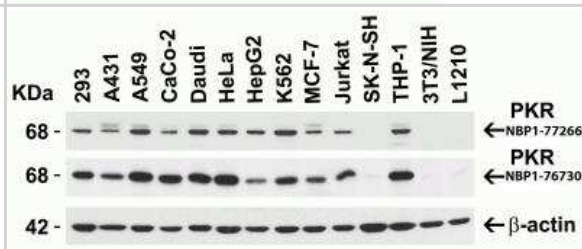
Immunocytochemistry/ Immunofluorescence: PKR Antibody - BSA Free [NBP1-77266] - Validation of PKR in Mouse Lung. Immunofluorescent analysis of 4% paraformaldehyde-fixed mouse lung tissue labeling PKR with at 20 ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (red) and DAPI staining (blue).



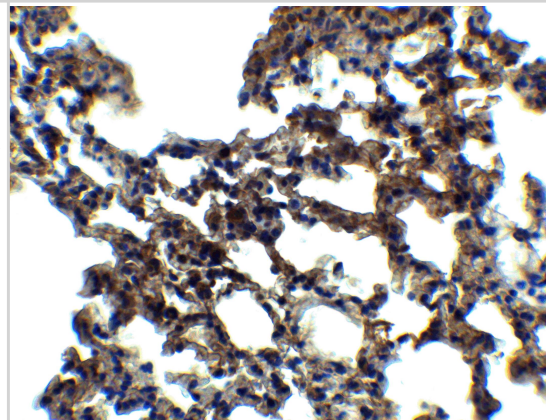
Western Blot: PKR Antibody [NBP1-77266] - WB Validation of PKR in Human Cell Lines. Antibodies: PKR. Secondary: Goat anti-rabbit IgG HRP conjugate.



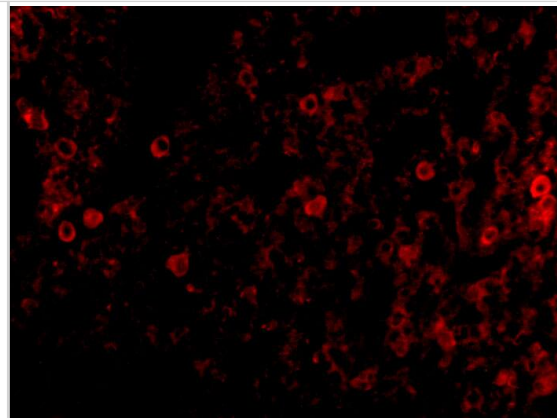
Western Blot: PKR Antibody [NBP1-77266] - IAV via Protein Expression Profile in Cell Lines. Antibodies PKR and beta-actin. Secondary: Goat anti-rabbit IgG HRP conjugate.



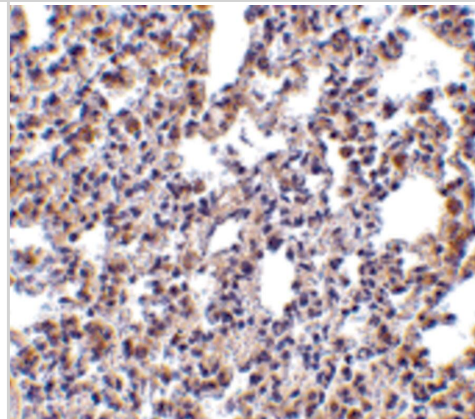
Immunohistochemistry: PKR Antibody - BSA Free [NBP1-77266] - Validation of PKR in Mouse Lung. Immunohistochemical analysis of paraffin-embedded mouse lung tissue using anti-PKR antibody at 5 ug/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



Immunocytochemistry/ Immunofluorescence: PKR Antibody - BSA Free [NBP1-77266] - Validation of PKR in Mouse Lung Immunofluorescent analysis of 4% paraformaldehyde-fixed mouse lung tissue labeling PKR with at 20 ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (red).



Immunohistochemistry: PKR Antibody - BSA Free [NBP1-77266] - Validation of PKR in Rat Lung. Immunohistochemical analysis of paraffin-embedded rat lung tissue using anti-PKR antibody at 2.5 ug/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



## Publications

Esteves, P;Allard, B;Celle, A;Dupin, I;Maurat, E;Ousova, O;Thumerel, M;Dupuy, JW;Leste-Lasserre, T;Marthan, R;Girodet, PO;Trian, T;Berger, P; Asthmatic bronchial smooth muscle increases rhinovirus replication within the bronchial epithelium Cell reports [PMID: 35354045] (WB)



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### **Products Related to NBP1-77266**

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NBP1-77266PEP	PKR Antibody Blocking Peptide
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **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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