

Product Datasheet

PKR [p Thr451] Antibody (JE46-70) NBP3-32789

Unit Size: 100 ul

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

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NBP3-32789

PKR [p Thr451] Antibody (JE46-70)

Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	JE46-70
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	1*TBS (pH7.4), 0.05% BSA and 40% Glycerol
Target Molecular Weight	62 kDa

Product Description	
Description	Novus Biologicals Rabbit PKR [p Thr451] Antibody (JE46-70) (NBP3-32789) is a recombinant monoclonal antibody validated for use in WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5610
Gene Symbol	EIF2AK2
Species	Human
Immunogen	Synthetic peptide corresponding to residues surrounding Thr45 of human PKR protein. (Uniprot: P19525)

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 1:1000, Immunocytochemistry/ Immunofluorescence 1:500



Images

Western Blot: PKR [p Thr451] Antibody (JE46-70) [NBP3-32789] - Western blot analysis of PKR on different lysates with Rabbit anti-PKR antibody (NBP3-32789) at 1/1,000 dilution.

Lane 1: HeLa cell lysate

Lane 2: HeLa treated with 10ng/mL IFN- α 1 for 18 hours then 100nM Calyculin A for 15 minutes cell lysate

Lane 3: HeLa treated with 10ng/mL IFN- α 1 for 18 hours then 100nM Calyculin A for 15 minutes cell lysate, then the membrane treated with pp for 1 hour

Lysates/proteins at 20 ug/Lane.

Predicted band size: 62 kDa

Observed band size: 70 kDa

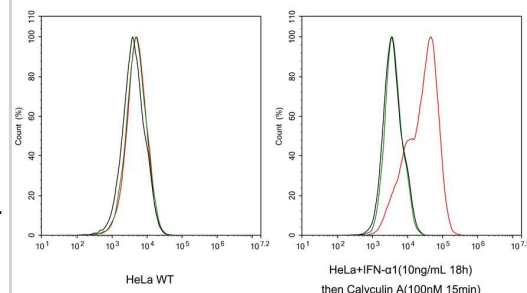
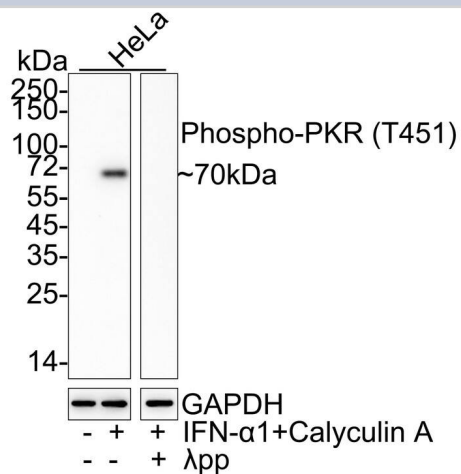
Exposure time: 3 minutes 5 seconds;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDm/TBST for 1 hour at room temperature. The primary antibody (NBP3-32789) at 1/1,000 dilution was used in 5% NFDm/TBST at 4C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.

Flow Cytometry: PKR [p Thr451] Antibody (JE46-70) [NBP3-32789] - Flow cytometric analysis of HeLa cells treated with 10ng/mL IFN- α 1 for 18 hours then add 100nM Calyculin A for 15 minutes labeling PKR.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32789, 1 μ g/mL) (red) compared with Rabbit IgG Isotype Control (green). After incubation of the primary antibody at +4 $^{\circ}$ C for an hour, the cells were stained with a iFluorTM 488 conjugate-Goat anti-Rabbit IgG Secondary antibody at 1/1,000 dilution for 30 minutes at +4 $^{\circ}$ C. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).





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Products Related to NBP3-32789

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
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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