

Rabbit anti-Human PKR/EIF2AK2-T446 Monoclonal Antibody | anti-EIF2AK2 antibody

Phospho-PKR/EIF2AK2-T446 Rabbit mAb

CATALOG # AAA283127	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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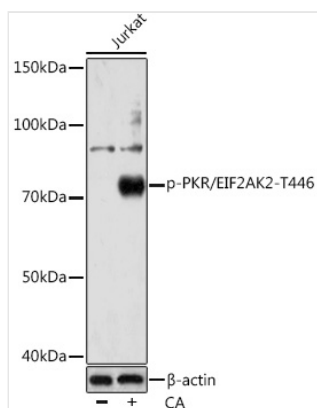
PRODUCT SYNONYMS

PKR/EIF2AK2-T446; Monoclonal Antibody; Phospho-PKR/EIF2AK2-T446 Rabbit mAb; PKR; PRKR; DYT33; LEUDEN; EIF2AK1; PPP1R83; Phospho-PKR/EIF2AK2-T446; anti-EIF2AK2 antibody

PRODUCT SPECIFICATIONS

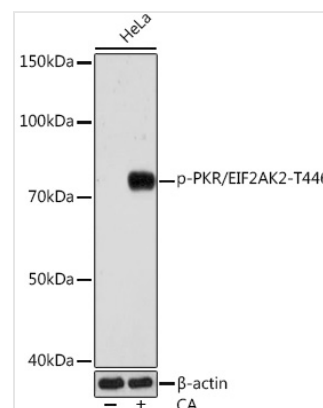
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	KRTRS
Applicable Applications for anti-EIF2AK2 antibody	ELISA, WB (Western Blot)
Immunogen	A synthetic phosphorylated peptide around T446 of human PKR/EIF2AK2E2AK2 (P19525).
Modification	Phospho T446
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of lysates from Jurkat cells, using Phospho-PKR/EIF2AK2-T446 Rabbit mAb (A4869) at 1:1000 dilution. Jurkat cells were treated by Calyculin A (100 nM) at 37° for 30 minutes. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA. Detection: ECL Enhanced Kit (RM00021). Exposure time: 3min.



WB (Western Blot)

Western blot analysis of lysates from HeLa cells, using Phospho-PKR/EIF2AK2-T446 Rabbit mAb (A4869) at 1:1000 dilution. HeLa cells were treated by Calyculin A (100 nM) at 37° for 30 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (RM00020). Exposure time: 3min.

ADDITIONAL INFORMATION

Related Product Information for anti-EIF2AK2 antibody	The protein encoded by this gene is a serine/threonine protein kinase that is activated by autophosphorylation after binding to dsRNA. The activated form of the encoded protein can phosphorylate translation initiation factor EIF2S1, which in turn inhibits protein synthesis. This protein is also activated by manganese ions and heparin. The encoded protein plays an important role in the innate immune response against multiple DNA and RNA viruses.
Product Categories/Family for anti-EIF2AK2 antibody	Epigenetics Nuclear Signaling ; Translation Control ; Protein phosphorylation ; Signal Transduction ; Kinase ; Serine threonine kinases ; Cell Biology Developmental Biology ; Apoptosis ; Autophagy ; Immunology Inflammation ; Phosphorylated Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	208431827
NCBI GeneID	5610
NCBI Accession #	NP_001129123.1
NCBI GenBank Nucleotide #	NM_001135651.2
UniProt Accession #	P19525; Q52M43; Q7Z6F6; Q9UIR4; A8K3P0; D6W584; E9PC80
Molecular Weight	Calculated MW: 62kDa Observed MW: 74kDa
UniProt Protein Name	Interferon-induced, double-stranded RNA-activated protein kinase
UniProt Gene Name	EIF2AK2
UniProt Synonym Gene Names	PKR; PRKR; eIF-2A protein kinase 2; PKR
UniProt Entry Name	E2AK2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pkr-eif2ak2-t446-antibody-western-blot-elisa/283127>