

Rabbit PKR Polyclonal Antibody | anti-PKR antibody

PKR (Phospho-Thr446) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA310992	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Immunofluorescence, Immunoprecipitation, Western Blot

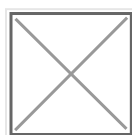
PRODUCT SYNONYMS

PKR; Polyclonal Antibody; PKR (Phospho-Thr446) Antibody; Double stranded RNA activated protein kinase; antibody; E2AK2_HUMAN antibody; eIF-2A protein kinase 2 antibody; EIF2AK1 antibody; EIF2AK2 antibody; Eukaryotic translation initiation factor 2 alpha kinase 2 antibody; Eukaryotic translation initiation factor 2-alpha kinase 2 antibody; HGNC:9437 antibody; Interferon induced double stranded RNA activated protein kinase antibody; Interferon inducible eIF2 alpha kinase antibody; Interferon inducible RNA dependent protein kinase antibody; Interferon-induced; double-stranded RNA-activated protein kinase antibody; Interferon-inducible RNA-dependent protein kinase antibody; MGC126524 antibody; P1/eIF-2A protein kinase antibody; P1/eIF2A protein kinase antibody; p68 kinase antibody; PKR antibody; PPP1R83 antibody; PRKR antibody; Protein kinase interferon inducible double stranded RNA dependent antibody; Protein kinase RNA activated antibody; Protein kinase RNA-activated antibody; Protein phosphatase 1 regulatory subunit 83 antibody; Serine/threonine protein kinase TIK antibody; Tyrosine protein kinase EIF2AK2 antibody; anti-PKR antibody

PRODUCT SPECIFICATIONS

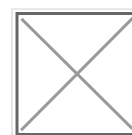
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-PKR antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Amino acid sequence containing phosphorylated Thr 446 of PKR of human origin.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



Application Data

Immunoperoxidase staining of formalin-fixed, paraffin-embedded human colon carcinoma tissue showing cytoplasmic staining.



WB (Western Blot)

Western blot analysis of phosphorylated PKR expression in K-562 (A) and starved K-562 (B) whole cell lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-PKR antibody	An interferon-inducible, RNA-dependent protein serine/threonine kinase, PKR has various designations. Mouse PKR is known as DA1, dsJ, PI kinase, p65, p67 or TIK, whereas human PKR is known as p68 or p69. PKR phosphorylates its substrate, a subunit of protein synthesis initiation factor eIF-2 on Ser 51 to inhibit translation. PKR contains two dsRNA binding motifs required for its activation by dsRNA. Three kinds of regulation of PKR enzymatic activity occur, and these include transcriptional regulation in response to interferon, an autoregulatory mechanism controlling PKR expression at the level of translation, and posttranslational regulation by RNA mediated autophosphorylation. Human PKR contains at least 15 autophosphorylation sites, but only Thr-446 and Thr-451 in the activation loop are critical for its kinase activity. Thr-446 is the in vivo autophosphorylation site of PKR. Mutation of threonine to alanine at position 446 substantially reduces PKR function, and mutant kinase containing Ala-451 is completely inactive.
Product Categories/Family for anti-PKR antibody	Phospho-specific Ab

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	62,094 Da
NCBI Official Full Name	interferon-induced, double-stranded RNA-activated protein kinase isoform a
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 2-alpha kinase 2
NCBI Official Symbol	EIF2AK2
NCBI Official Synonym Symbols	PKR; PRKR; EIF2AK1
NCBI Protein Information	interferon-induced, double-stranded RNA-activated protein kinase; p68 kinase; eIF-2A protein kinase 2; P1/eIF-2A protein kinase; tyrosine-protein kinase EIF2AK2; interferon-inducible eIF2alpha kinase; double stranded RNA activated protein kinase; protein
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/pkr-antibody-immunohistochemistry-immunofluorescence-immunoprecipitation-western-blot-elisa/310992>