Product Datasheet

PKR(Ab-446) Antibody

Catalog No: #21272

Package Size: #21272-1 50ul #21272-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	PKR(Ab-446) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IHC IF
Species Reactivity	Hu Rt
Specificity	The antibody detects endogenous level of total PKR protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.444~448 (K-R-T-R-S) derived from Human PKR.
Target Name	PKR
Other Names	ADRB2; E2AK2; EIF2AK2; EIF2aK; PRKR
Accession No.	Swiss-Prot: P19525 NCBI Protein: NP_001129123.1
Uniprot	P19525
GeneID	5610;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

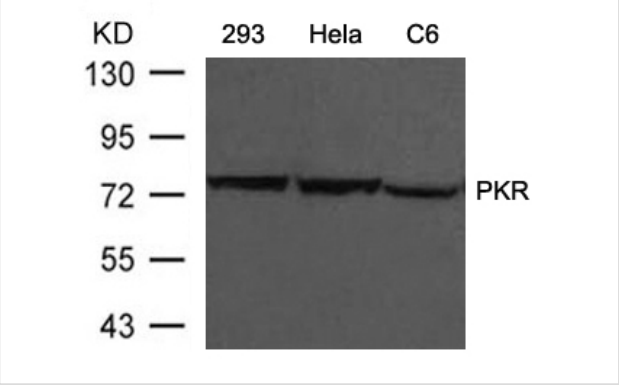
Predicted MW: 68kd

Western blotting: 1:500~1:1000

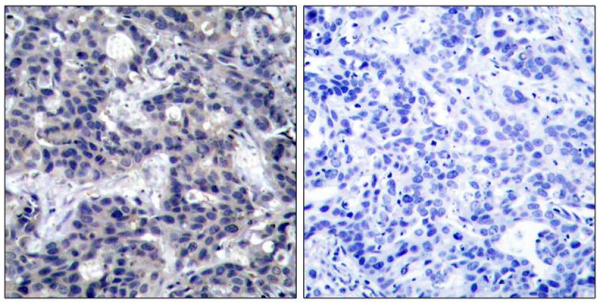
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

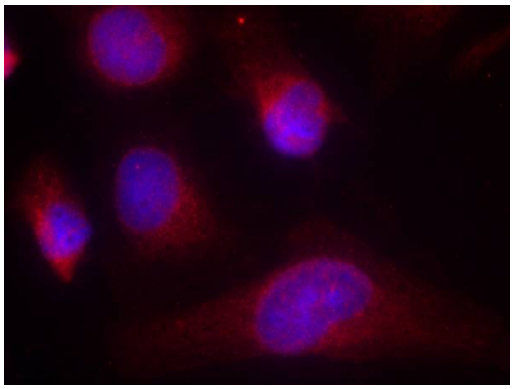
Images



Western blot analysis of extracts from 293, Hela and C6 cells using PKR(Ab-446) Antibody #21272.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using PKR(Ab-446) Antibody #21272(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed Hela cells using PKR(Ab-446) Antibody #21272.

Background

Following activation by double-stranded RNA in the presence of ATP, the kinase becomes autophosphorylated and can catalyze the phosphorylation of the translation initiation factor EIF2S1, which leads to an inhibition of the initiation of protein synthesis. Double-stranded RNA is generated during the course of a viral infection.

Abujiang Pataer, et,al. (2002) Cancer Res ; 62: 2239.

K. D. Ryman, et,al. (2005) J. Virol ; 79: 1487 - 1499.

Susana Guerra, et,al. (2006) J. Biol. Chem ; 281: 18734 - 18745.

Note: This product is for in vitro research use only