PKR(Phospho-Thr446) Antibody

Catalog No: #11280

Package Size: #11280-1 50ul #11280-2 100ul #11280-4 25ul

Overview

Product Name	PKR(Phospho-Thr446) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB IHC IF
Species Reactivity	Human Mouse
Immunogen Type	Peptide-KLH
Target Name	PKR
Modification	Phospho-Thr446
Alternative Names	ADRB2; E2AK2; EIF2AK2; EIF2aK; PRKR

Application Details

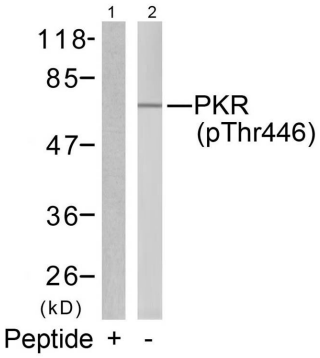
Predicted MW: 68kd

Western blotting: 1:500~1:1000

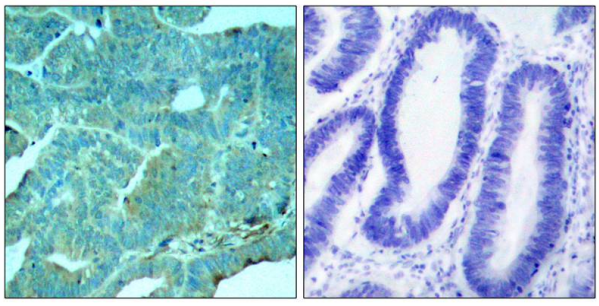
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

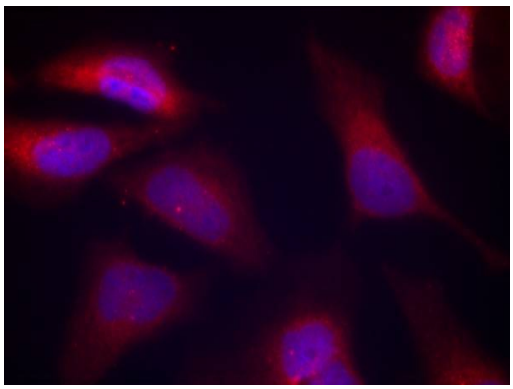
Images



Western blot analysis of extracts from K562 cells using PKR(Phospho-Thr446) Antibody #11280(Lane 2) and the same antibody preincubated with blocking peptide(Lane1).



Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue using PKR(Phospho-Thr446) Antibody #11280(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed Hela cells using PKR(Phospho-Thr446) Antibody #11280.

Descriptions

Immunogen	Peptide sequence around phosphorylation site of threonine 446 (K-R-T(p)-R-S) derived from Human PKR.
Specificity	The antibody detects endogenous level of PKR only when phosphorylated at threonine 446.
Purifiction	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
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.
Accession NO.	Swiss-Prot: P19525 NCBI Protein: NP_001129123.1

Related Information

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.

Published Papers

Suzette Laing, Guohui Wang, Tamara Briazova el at., Airborne Particulate Matter Selectively Activates Endoplasmic Reticulum Stress Response in the Lung and Liver Tissues., Amerian Journal of Physiol Cell Physiol, 299(4):C736-749. doi:10.1152/ajpcell.00529.2009(2010)

PMID:20554909