Product Datasheet

PKR(Phospho-Thr446) Antibody

Catalog No: #11280

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

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

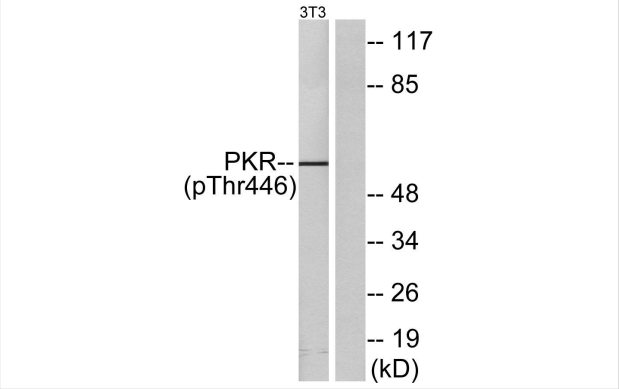
Description

Product Name	PKR(Phospho-Thr446) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	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.
Applications	WB
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of PKR only when phosphorylated at threonine 446.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine 446 (K-R-T(p)-R-S) derived from Human PKR.
Target Name	PKR
Modification	Phospho
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	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

WB 1:500 - 1:2000.

Images



Western blot analysis of lysates from NIH/3T3 cells treated with IFN 2500U/ml 30', using PKR (Phospho-Thr446) Antibody. The lane on the right is blocked with the phospho peptide.

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