

PKR(Phospho-Thr446) Antibody

Catalog No: #11280

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

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

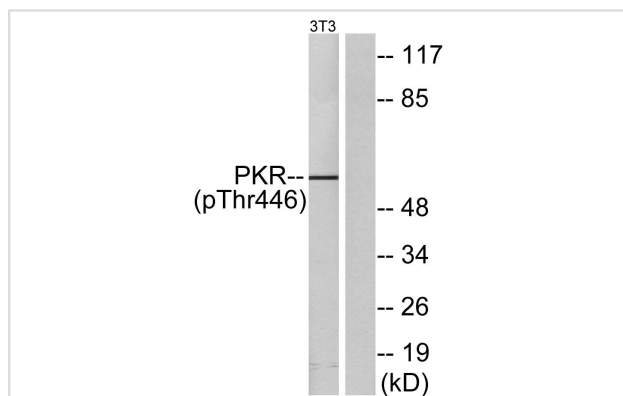
Description

| | |
|-----------------------|---|
| 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 chromatography 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