

# Phospho-PKR/EIF2AK2-T446 Rabbit mAb

Catalog No.: AP1134    Recombinant    9 Publications

## Basic Information

### Observed MW

74kDa

### Calculated MW

62kDa

### Category

Monoclonal Antibody

### Applications

WB,ELISA

### Cross-Reactivity

Human

### Clone/No. number

ARC0293

## Background

The protein encoded by this gene is a serine/threonine protein kinase that is activated by autophosphorylation after binding to dsRNA. The activated form of the encoded protein can phosphorylate translation initiation factor EIF2S1, which in turn inhibits protein synthesis. This protein is also activated by manganese ions and heparin. The encoded protein plays an important role in the innate immune response against multiple DNA and RNA viruses.

## Recommended Dilutions

WB                    1:1000 - 1:4000

ELISA                Recommended starting concentration is 1  $\mu$ g/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

5610

### Swiss Prot

P19525

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

PKR; PRKR; DYT33; LEUDEN; EIF2AK1; PPP1R83; Phospho-PKR/EIF2AK2-T446

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

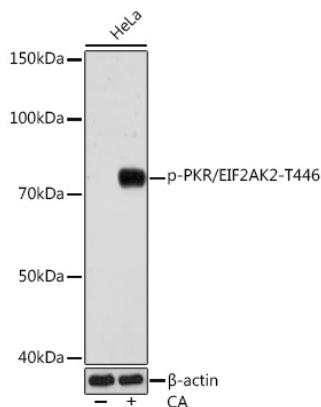
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data



Western blot analysis of lysates from HeLa cells, using Phospho-PKR/EIF2AK2-T446 Rabbit mAb (A4869) at 1:1000 dilution. HeLa cells were treated with Calyculin A (100 nM) at 37°C for 30 minutes after serum-starvation overnight.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% BSA.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 3min.