

AP0632

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## Phospho-PKR/EIF2AK2-T446 Rabbit mAb

Catalog No.: AP0632

Recombinant

1 Publications

### Basic Information

#### Observed MW

62kDa

#### Calculated MW

62kDa

#### Category

SMab Recombinant Monoclonal Antibody

#### Applications

WB, IHC-P, IF/ICC, IP, ELISA

#### Cross-Reactivity

Human

### 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	1:500 - 1:2000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
IP	1:20 - 1:50

### Immunogen Information

#### Gene ID

5610

#### Swiss Prot

P19525

#### Immunogen

A phospho specific peptide corresponding to residues surrounding T446 of human PKR/EIF2AK2

#### 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

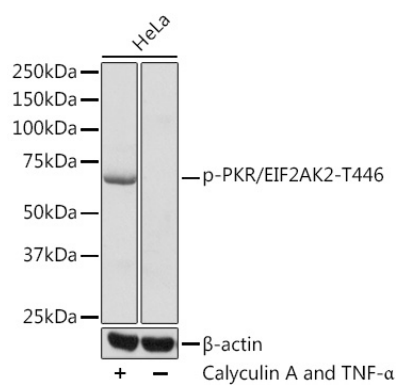
Affinity purification

#### Storage

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

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

## Validation Data



Western blot analysis of extracts of HeLa cells, using Phospho-PKR/EIF2AK2-T446 antibody (AP0632). HeLa cells were treated by TNF- $\alpha$  (20 ng/mL) and Calyculin A (100 nM) at 37°C for 10 minutes. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 $\mu$ g per lane. Blocking buffer: 3% BSA.