

# PKR/EIF2AK2 Rabbit mAb

Catalog No.: A19545 **Recombinant** **4 Publications**

## Basic Information

### Observed MW

70kDa

### Calculated MW

62kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Human

### CloneNo number

ARC0024

## 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 - 1:1000

## Immunogen Information

### Gene ID

5610

### Swiss Prot

P19525

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 450-551 of human PKR/EIF2AK2 (P19525).

### Synonyms

PKR; PRKR; DYT33; LEUDEN; EIF2AK1; PPP1R83; PKR/EIF2AK2

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

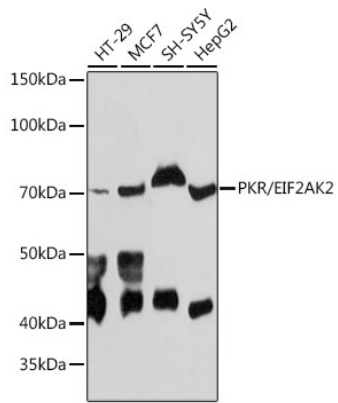
### Storage

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

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of extracts of various cell lines, using PKR/EIF2AK2 antibody (A19545) at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.