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Phospho-PKR/EIF2AK2-T446 Rabbit mAb

Catalog No.: AP1134

Recombinant | 12 Publications

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Basic Information

Observed MW
74kDa

Calculated MW
62kDa

Category
Monoclonal Antibodies

Applications
WB, ELISA

Cross Reactivity
Human

Clone No.
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 μg/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

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Product Information

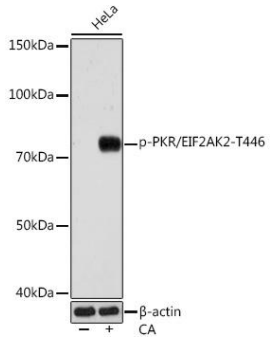
Source
Rabbit

Isotype
IgG

Purity
Affinity purification

Storage
Store at -20℃
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 (AP1134) at 1:1000 dilution incubated overnight at 4℃. HeLa cells were treated with Calyculin A (100 nM) at 37℃ for 30 minutes after serum-starvation overnight.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% BSA.
Detection: ECL Basic Kit (RM00020).
Exposure time: 3 min.

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