AP1251SP

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Phospho-PKR/EIF2AK2-T446 Rabbit pAb

Catalog No.: AP1251SP 1 Publications

Basic Information

Observed MW
62 kDa

Calculated MW
62 kDa

Category
Polyclonal Antibody

Applications
WB,IF/ICC,ELISA

Cross-Reactivity
Human,Mouse

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	1:2000 - 1:10000
IF/ICC	1:100 - 1:200
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.For high-ratio antibody dilutions (≥1:10000) , a sequential dilution method is strongly recommended to ensure measurement accuracy.

Contact

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Immunogen Information

Gene ID
5610

Swiss Prot
P19525

Immunogen
This information is considered to be commercially sensitive.

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

Product Information

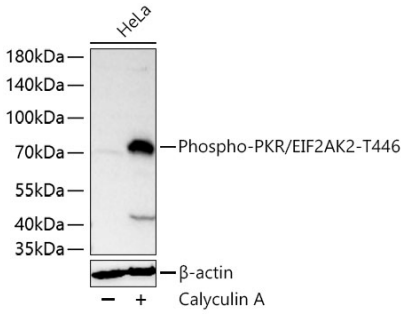
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide. May contain 0.05% BSA as specified on the Certificate of Analysis.

Validation Data



Western blot analysis of lysates from HeLa cells using Phospho-PKR/EIF2AK2-T446 Rabbit pAb (AP1251SP) at 1:8000 dilution incubated overnight at 4℃. HeLa cells were treated with Calyculin A (100 nM) at 37°C for 30 min.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45 s.

For research use only. Not for therapeutic or diagnostic purposes.
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