

Product Datasheet

Phospho-PKR (T446) Antibody

Catalog No: CY5271

Reactivity: Human

Isotype: Rabbit IgG

Applications: WB IHC IP ChIP



Information

UniProt ID: P19525

All Names: E2AK2;E2AK2; EIF2AK1; EIF2AK2; MGC126524; PKR p68 kinase; PKR; PRKR;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 68 kDa

Application

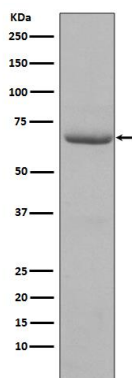
WB: 1:500~1:2000

IHC: 1:50~1:200

IP: 1:10

Background

PKR a protein kinase of the PEK family. Upon binding double-stranded RNA, it becomes autophosphorylated and activated. Phosphorylates and inhibits the alpha subunit of eIF2 alpha, which leads to an inhibition of the initiation of protein synthesis.



Western blot analysis of PKR phosphorylation expression in HeLa cell lysate treated with Calyculin A and TNF-alpha.

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