

PKR(Phospho Thr446) Polyclonal Antibody

Description

Product type Primary Antibody

Code BT-AP13135

Host Rabbit

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from human PKR around the

phosphorylation site of Thr446. AA range:413-462

Mol wt 62094

Species reactivity Human, Rat, Mouse

Clonality Polyclonal

Recommended application WB, ELISA

Concentration 1 mg/ml

Full name Interferon-induced double-stranded RNA-activated protein kinase

Synonyms Interferon-induced double-stranded RNA-activated protein kinase; EIF2AK2; PKR; PRKR; Interferon-

induced; double-stranded RNA-activated protein kinase; Eukaryotic translation initiation factor 2-alpha kinase 2; eIF-2A protein kinase 2; Interferon-inducible RNA-dependent protein kinase; P1/eIF-2A protein k

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

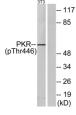
The protein encoded by this gene is a serine/threonine protein kinase that is activated by autophosphorylation after binding to dsRNA. The activated form of the encoded protein can phosphorylate translation initiation factor EIF2S1, which in turn inhibits protein synthesis. This protein is also activated by manganese ions and heparin. Three transcript variants encoding two different isoforms have been found for this gene.

Recommended Dilution

WB: 1: 500 - 1: 2000 ELISA: 1: 10000

Not yet tested in other applications.

Images



Western blot analysis of lysates from NIH/3T3 cells treated with IFN 2500U/ml 30', using PKR (Phospho-Thr446) Antibody. The lane on the right is blocked with the phospho peptide.

Storage

-20°C for 1 year