

PKR (phospho-T446) Rabbit monoclonal antibody

Catalog: BS9905M

Host: Rabbit

Reactivity: Human

BackGround:

An interferon-inducible, RNA-dependent protein serine/threonine kinase (PKR) has been described. PKR in earlier literature is variously known as DAI, dsJ, PI kinase, p65, p67 or TIK for the mouse kinase; and p68 or p69 for the human kinase. The PKR kinase substrate is the α subunit of protein synthesis initiation factor eIF-2. Phosphorylation of eIF-2 α on serine-51 results in inhibition of translation. Molecular cDNA clones have been isolated from both human and mouse cells. The serine/threonine kinase catalytic domains map to the carboxy terminal half of the protein while the RNA-binding domains are located in the amino terminal region. Three kinds of regulation of PKR enzymatic activity have been described.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 62 kDa

Swiss-Prot:

P19525

Purification&Purity:

Protein A affinity purified

Applications:

WB: 1:1000-1:2000

IHC: 1:50-1:200

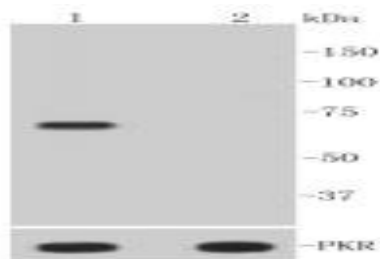
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

This antibody detects endogenous levels of human PKR protein only when phosphorylated at Thr446.

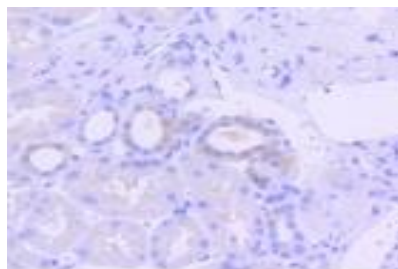
DATA:



Western blot (WB) analysis of PKR (phospho-T446) Rabbit mAb at 1:1000 dilution

Lane 1: HeLa treated with Calyculin A and TNF-alpha whole cell lysates

Lane 2: Untreated HeLa whole cell lysates



Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Phospho-PKR(T446) antibody. Counter stained with hematoxylin.

Note:

For research use only, not for use in diagnostic procedure.

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