

PKR Recombinant Rabbit mAb

Catalog: BS46591

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

IFN-induced dsRNA-dependent serine/threonine-protein kinase which plays a key role in the innate immune response to viral infection and is also involved in the regulation of signal transduction, apoptosis, cell proliferation and differentiation. Exerts its antiviral activity on a wide range of DNA and RNA viruses including west Nile virus (WNV), Sindbis virus (SV), foot-and-mouth virus (FMDV), Semliki Forest virus (SFV) and lymphocytic choriomeningitis virus (LCMV). Inhibits viral replication via phosphorylation of the alpha subunit of eukaryotic initiation factor 2 (EIF2S1), this phosphorylation impairs the recycling of EIF2S1 between successive rounds of initiation leading to inhibition of translation which eventually results in shutdown of cellular and viral protein synthesis.

Product:

Store at -20 °C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.

Molecular Weight:

74 kDa

Swiss-Prot:

Q03963

Purification&Purity:

Affinity Purification

Applications:

WB: 1:1000
ICC/IF: 1:20
FC: 1:20
IP: 1:20

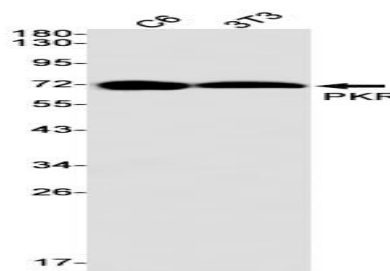
Storage&Stability:

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

Isotype:

IgG

DATA:



Western blot detection of PKR in C6,3T3 cell lysates using PKR antibody (1:1000 diluted).

Note:

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

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