

Product Name: PKR Rabbit Monoclonal Antibody**Catalog #: AMRe85152**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,ICC,IP
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.62mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,ICC 1:50-1:200,IP 1:10-1:20
Molecular Weight	Calculated MW: 62 kDa; Observed MW: 74 kDa

Antigen Information

Gene Name	PKR EIF2AK2; PKR; PRKR; Interferon-induced; double-stranded RNA-activated protein kinase;
Alternative Names	Eukaryotic translation initiation factor 2-alpha kinase 2; eIF-2A protein kinase 2; Interferon-inducible RNA-dependent protein kinase; P1/eIF-2A protein k
Gene ID	5610.0
SwissProt ID	P19525
Immunogen	A synthetic peptide of human PKR

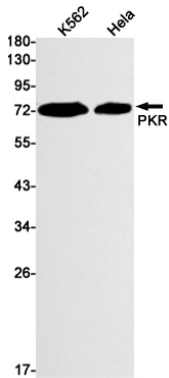
Background

PKR a protein kinase of the PEK family. Upon binding double-stranded RNA, it becomes autophosphorylated and activated.

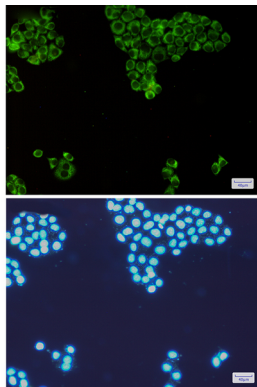
Phosphorylates and inhibits the alpha subunit of eIF2 alpha, which leads to an inhibition of the initiation of protein synthesis.

Research Area

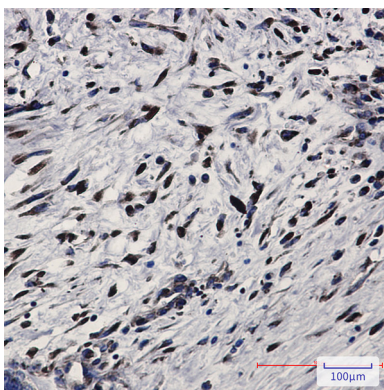
Image Data



Western blot analysis of PKR in K562, HeLa lysates using PKR antibody.



Immunocytochemistry analysis of PKR(green) in HeLa using PKR antibody, and DAPI(blue)



Immunohistochemistry analysis of paraffin-embedded Human Cholangiocarcinoma using PKR antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.