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**Product Name: PKR Rabbit Monoclonal Antibody****Catalog #: AMRe86790**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,FC,IP
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:1000-1:5000,IHC 1:50-1:200,ICC/IF 1:20-1:50,FC 1:20-1:50,IP 1:20-1:100
<b>Molecular Weight</b>	Calculated MW:62 kDa; Observed MW:74 kDa

**Antigen Information**

<b>Gene Name</b>	PKR
<b>Alternative Names</b>	PKR; PRKR; EIF2AK1; PPP1R83
<b>Gene ID</b>	5610
<b>SwissProt ID</b>	P19525
<b>Immunogen</b>	A synthetic peptide of human PKR

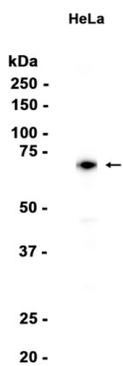
**Background**

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. [provided by RefSeq, Oct 2011]

## Research Area

## Image Data



Western blot analysis of extracts from HeLa cells using PKR Rabbit Monoclonal Antibody at 1:1000.