

## Product Datasheet

# PKR Antibody

Catalog No: CY5665

Reactivity: Human

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF IP



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### Information

**UniProt ID:** P19525

**All Names:** EC 2.7.11.1; Interferon-inducible RNA-dependent protein kinase; Eukaryotic translation initiation factor 2-alpha kinase 2; eIF-2A protein kinase 2; Protein kinase RNA-activated; PKR; p68 kinase; P1/eIF-2A protein kinase;

**Form:** Liquid

**Storage instructions:** Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**Storage buffer:** pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Purity:** Affinity-chromatography

**Immunogen:** A synthesized peptide

**Molecular Wt.:** 68 kDa

### Application

WB: 1:10000~1:20000

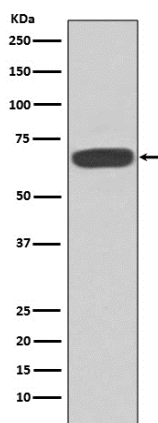
IHC: 1:50~1:200

ICC/IF: 1:50~1:200

IP: 1:50

### 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.



Western blot analysis of PKR expression in MCF-7 cell lysate.

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