

## Product datasheet for **TA325442**

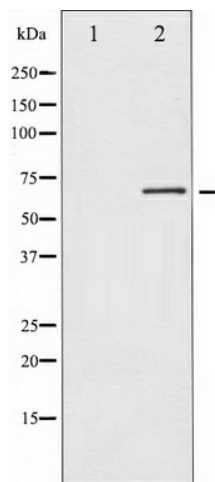
### PKR (EIF2AK2) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500-1:2000; IHC: 1:50-1:200
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The antiserum was produced against A synthesized peptide derived from human PKR
Formulation:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration:	lot specific
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific peptide.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	74 kDa
Gene Name:	eukaryotic translation initiation factor 2 alpha kinase 2
Database Link:	<a href="#">NP_001129123</a> <a href="#">Entrez Gene 5610 Human</a> <a href="#">P19525</a>
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.
Synonyms:	EIF2AK1; PKR; PPP1R83; PRKR
Protein Families:	Druggable Genome, Protein Kinase, Transcription Factors



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**Product images:**

Western blot analysis of PKR expression in Starvation treated K562 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.