



# Mouse anti-Human EIF2AK4 polyclonal antibody (DPAB-DC1949)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes a member of a family of kinases that phosphorylate the alpha subunit of eukaryotic translation initiation factor-2 (EIF2), resulting in the downregulation of protein synthesis. The encoded protein responds to amino acid deprivation by binding uncharged transfer RNAs. It may also be activated by glucose deprivation and viral infection. Mutations in this gene have been found in individuals suffering from autosomal recessive pulmonary venoocclusive-disease-2.
<b>Immunogen</b>	EIF2AK4 (NP_001013725, 1401 a.a. ~ 1500 a.a) partial recombinant protein with GST tag. The sequence is VVSVGQMSMSRAINLTQKLWTAGITAEIMYDWSQSQEELQEYCRHHEITYVALVSDKEGS HVKVKSFEKERQTEKRVLETELVDHVLQKLRTKVTDERNG
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">EIF2AK4 eukaryotic translation initiation factor 2 alpha kinase 4 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	EIF2AK4
<b>Synonyms</b>	EIF2AK4; eukaryotic translation initiation factor 2 alpha kinase 4; GCN2; PVOD2; eukaryotic translation initiation factor 2-alpha kinase 4; GCN2-like protein; GCN2 eIF2alpha kinase; general control nonderepressible 2;
<b>Entrez Gene ID</b>	<a href="#">440275</a>
<b>Protein Refseq</b>	<a href="#">NP_001013725</a>
<b>UniProt ID</b>	<a href="#">Q9P2K8</a>
<b>Chromosome Location</b>	15q15.1
<b>Pathway</b>	Epstein-Barr virus infection; Herpes simplex infection; Measles;
<b>Function</b>	ATP binding; eukaryotic translation initiation factor 2alpha kinase activity; protein homodimerization activity; protein serine/threonine kinase activity