



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

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

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	EIF2AK4 (NP_001013725, 1401 a.a. ~ 1500 a.a) partial recombinant protein with GST tag. The sequence is VVSVGQMSMSRAINLTQKLWTAGITAEIMYDWSQSQEELQEYCRHHEITYVALVSDKEGS HVKVKSFEKERQTEKRVLETETLDHVLQKLRTKVTDERNG
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	EIF2AK4 eukaryotic translation initiation factor 2 alpha kinase 4 [Homo sapiens (human)]
Official Symbol	EIF2AK4
Synonyms	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;
Entrez Gene ID	440275
Protein Refseq	NP_001013725
UniProt ID	Q9P2K8
Chromosome Location	15q15.1
Pathway	Epstein-Barr virus infection; Herpes simplex infection; Measles;
Function	ATP binding; eukaryotic translation initiation factor 2alpha kinase activity; protein homodimerization activity; protein serine/threonine kinase activity