

Rabbit EIF2AK4 Polyclonal Antibody | anti-EIF2AK4 antibody

EIF2AK4 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA174194	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

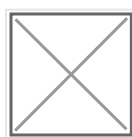
PRODUCT SYNONYMS

EIF2AK4; Polyclonal Antibody; EIF2AK4 Polyclonal Antibody; E2AK4; Eif2ak4; Eukaryotic Translation Initiation Factor 2 alpha kinase 4; Eukaryotic translation initiation factor 2-alpha kinase 4; GCN2; GCN2 eIF2alpha kinase; GCN2 like protein; GCN2-like protein; KIAA1338; MGCN2; anti-EIF2AK4 antibody

PRODUCT SPECIFICATIONS

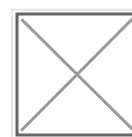
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Concentration	1 mg/mL (varies by lot)
Sequence Length	1,621
Applicable Applications for anti-EIF2AK4 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human EIF2AK4
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of A549 cells using EIF2AK4 antibody.



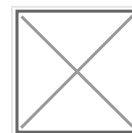
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse brain using EIF2AK4 antibody.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat testis using EIF2AK4 antibody.



WB (Western Blot)

Western blot analysis of extracts of HepG2 cells, using EIF2AK4 Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-EIF2AK4 antibody	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.
Product Categories/Family for anti-EIF2AK4 antibody	Cancer; Epigenetics and Nuclear Signaling; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	65287717
NCBI GeneID	440275
NCBI Accession #	NP_001013725.2
NCBI GenBank Nucleotide #	NM_001013703.4
UniProt Accession #	Q9P2K8; Q69YL7; Q6DC97; Q96GN6; Q9H5K1; Q9NSQ3; Q9NSZ5; Q9UJ56; C9JEC4
Molecular Weight	Calculated: 69kDa; 183kDa; 186kDa Observed: 187kDa
NCBI Official Full Name	eIF-2-alpha kinase GCN2
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 2 alpha kinase 4
NCBI Official Symbol	EIF2AK4
NCBI Official Synonym Symbols	GCN2; PVOD2
NCBI Protein Information	eIF-2-alpha kinase GCN2
UniProt Protein Name	eIF-2-alpha kinase GCN2
UniProt Gene Name	EIF2AK4
UniProt Synonym Gene Names	GCN2; KIAA1338

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.