

Rabbit anti-Human, Rat EIF2AK4 Polyclonal Antibody | anti-EIF2AK4 antibody

EIF2AK4 Polyclonal Antibody

CATALOG # AAA279861	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

EIF2AK4; Polyclonal Antibody; EIF2AK4 Polyclonal Antibody; GCN2; PVOD2; anti-EIF2AK4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	1649
Applicable Applications for anti-EIF2AK4 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human EIF2AK4
Calculated Molecular Weight	187kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



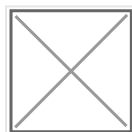
IHC (Immunohistochemisry)

Immunohistochemistry of paraffin-embedded human esophageal cancer using EIF2AK4 antibody at dilution of 1:100 (40x lens).



IHC (Immunohiostchemistry)

Immunohistochemistry of paraffin-embedded rat brain using EIF2AK4 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using EIF2AK4 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 90s.

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	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	296439368
NCBI GeneID	440275
UniProt Accession #	Q9P2K8; Q69YL7; Q6DC97; Q96GN6; Q9H5K1; Q9NSQ3; Q9NSZ5; Q9UJ56; C9JEC4
Molecular Weight	1649
NCBI Official Full Name	Eukaryotic translation initiation factor 2-alpha kinase 4
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	eukaryotic translation initiation factor 2-alpha kinase 4; GCN2-like protein; GCN2 eIF2alpha kinase; general control nonderepressible 2
UniProt Protein Name	Eukaryotic translation initiation factor 2-alpha kinase 4
UniProt Gene Name	EIF2AK4
UniProt Synonym Gene Names	GCN2; KIAA1338
UniProt Entry Name	E2AK4_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/eif2ak4-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/279861>