

Rabbit EIF2AK4 Polyclonal Antibody | anti-EIF2AK4 antibody

EIF2AK4 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28254	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence

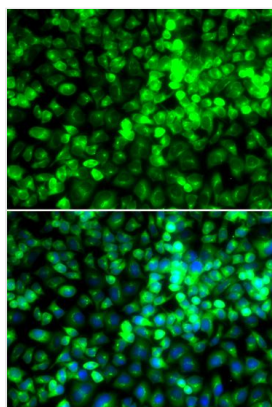
PRODUCT SYNONYMS

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

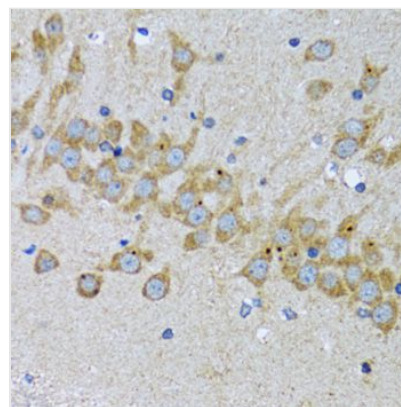
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Sequence Length	1649
Applicable Applications for anti-EIF2AK4 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	WB: 1:500 - 1:2000 IHC: 1:50 - 1:200 IF: 1:50 - 1:200
Immunogen	Recombinant protein of human EIF2AK4
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

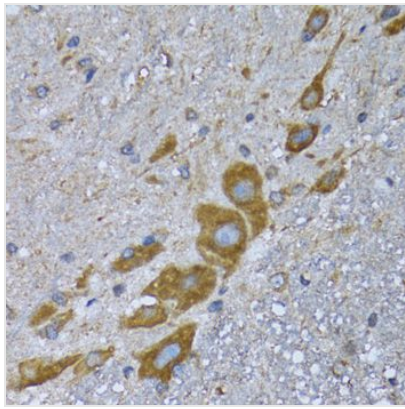
IMAGES


IF (Immunofluorescence)

Immunofluorescence analysis of A549 cells using EIF2AK4 antibody. Blue: DAPI for nuclear staining.

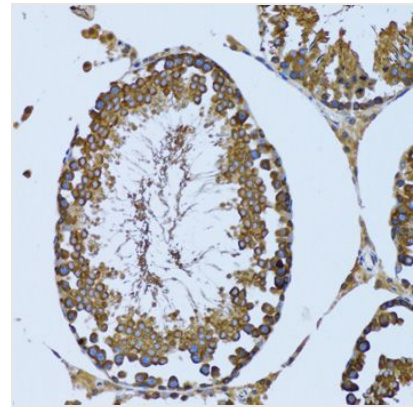

IHC (Immunohistochemistry)

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



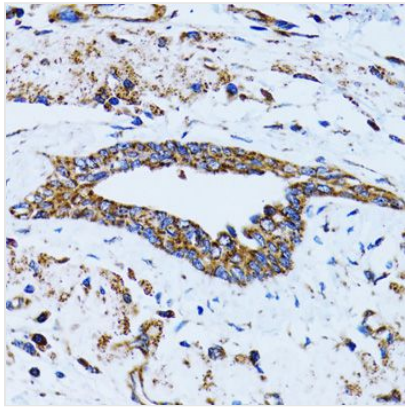
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse spinal cord using EIF2AK4 antibody at dilution of 1:100 (40x lens).



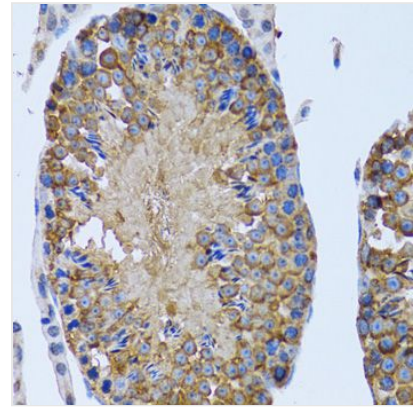
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse testis using EIF2AK4 antibody at dilution of 1:100 (20x lens).



IHC (Immunohistochemistry)

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



IHC (Immunohistochemistry)

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

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	Primary antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	296439368
NCBI GeneID	440275
UniProt Accession #	Q9P2K8 ; Q69YL7 ; Q6DC97 ; Q96GN6 ; Q9H5K1 ; Q9NSQ3 ; Q9NSZ5 ; Q9UJ56 ; C9JEC4
Molecular Weight	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

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-western-blot-immunohistochemistry-immunofluorescence-elisa/28254>