

Rabbit anti-Human, Rat GCN2 Polyclonal Antibody | anti-EIF2AK4 antibody

Anti-GCN2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA262581	Rabbit	Human, Rat	Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

GCN2; Polyclonal Antibody; Anti-GCN2 Antibody; KIAA1338; Eukaryotic translation initiation factor 2-alpha kinase 4; GCN2-like protein; anti-EIF2AK4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of GCN2 protein.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Sequence Length	1649
Applicable Applications for anti-EIF2AK4 antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant full length protein of human GCN2
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



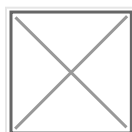
IF (Immunofluorescence)

Immunofluorescent analysis of GCN2 staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



IHC (Immunohistochemistry)

Immunohistochemical analysis of GCN2 staining in rat brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)

Western blot analysis of GCN2 expression in SKOV3 (A), HepG2 (B), MCF7 (C), rat lung (D) whole cell lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-EIF2AK4 antibody	Rabbit polyclonal antibody to GCN2
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NCBI AND UNIPROT INFORMATION

NCBI GI #	65287717
NCBI GeneID	440275
NCBI Accession #	NP_001013725.2
NCBI GenBank Nucleotide #	NM_001013703.3
UniProt Accession #	Q9P2K8; Q69YL7; Q6DC97; Q96GN6; Q9H5K1; Q9NSQ3; Q9NSZ5; Q9UJ56; C9JEC4
Molecular Weight	69,797 Da
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 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/gcn2-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/262581>