

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

Rabbit anti-GCN2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA221086	Rabbit	Human, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

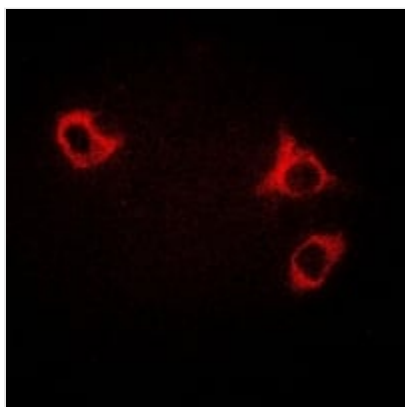
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

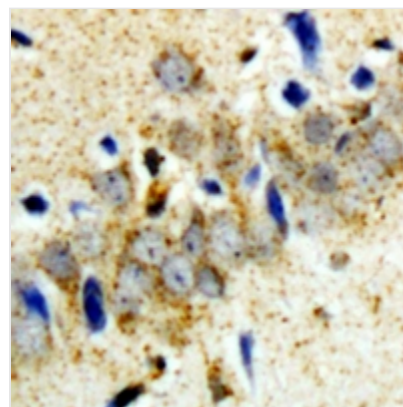
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-GCN2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant full length protein of human GCN2
Preparation and Storage	Store at -20 degree C. Avoid repeated freeze/thaw cycles.

IMAGES



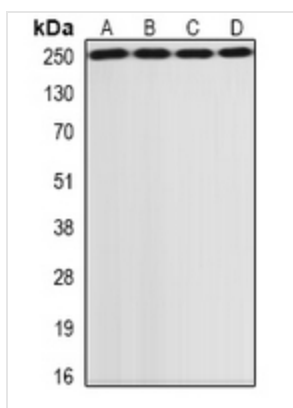
IF (Immunofluorescence)

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

Product Categories/Family for anti-GCN2 antibody

Primary antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	296439368
NCBI GeneID	440275
UniProt Accession #	Q9P2K8; Q69YL7; Q6DC97; Q96GN6; Q9H5K1; Q9NSQ3; Q9NSZ5; Q9UJ56; C9JEC4
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/gcn2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/221086>