

Anti-EIF2AK4 antibody (1-300) (STJ114492)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

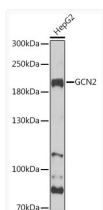
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:2000 IHC-P:1:50-1:200 IF/ICC:1:50-1:200 ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.05% Proclin300, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 187kDa Observed Mw: 187kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

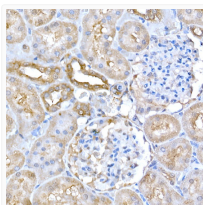
Gene ID	440275
Gene Symbol	EIF2AK4
UniProt ID	E2AK4_HUMAN
Immunogen Region	1-300
Immunogen Sequence	MAGGRGAPGRGRDEPPESYP QRQDHELQALEIYGADFQD LRPDACGPVKPEPEINLVLY PQGLTGEEVYVKVDLRVKCP PTYPDVVPEIELKNAKGLSN ESNLLKSRLEELAKKHCGE VMIFELAYHVQSFLSEHNKP PPKSFHEEMLERRAQEEQQR LLEAKRKEEQEQREILHEIQ RRKEEIKKKRKEMAKQER LEIASLSNQDHTSKDPGGH RTAAILHGGSPDFVGNKGH
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 1-300 of human GCN2 (NP_001013725.2).

ADDITIONAL INFORMATION

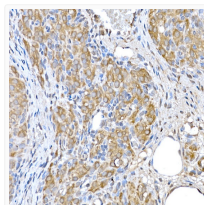
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



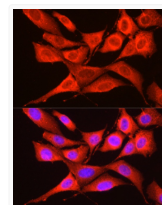
Western blot analysis of extracts of HepG2 cells, using GCN2 Antibody (STJ114492) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.



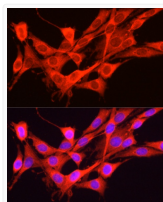
Immunohistochemistry analysis of paraffin-embedded rat kidney using GCN2 rabbit polyclonal antibody (STJ114492) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



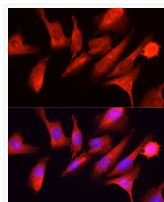
Immunohistochemistry analysis of paraffin-embedded rat ovary using GCN2 rabbit polyclonal antibody (STJ114492) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Immunofluorescence analysis of NIH/3T3 cells using GCN2 rabbit polyclonal antibody (STJ114492) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using GCN2 rabbit polyclonal antibody (STJ114492) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using GCN2 rabbit polyclonal antibody (STJ114492) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.