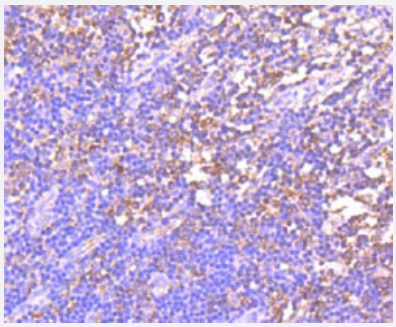
EIF2AK4 monoclonal antibody, clone ACAA-5

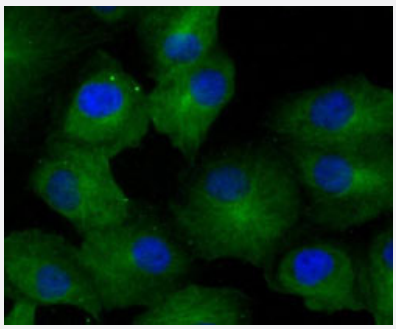
Catalog # MAB22121 Size 100 uL

Applications



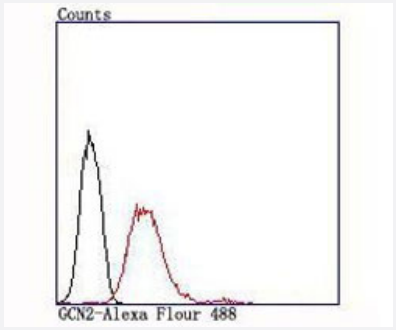
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil. Counter stained with hematoxylin.



Immunocytochemistry

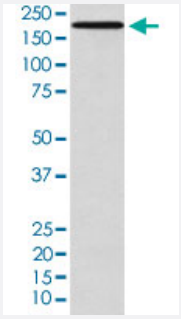
Immunocytochemistry analysis of EIF2AK4 in A-549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow Cytometry

Flow cytometric analysis of MCF-7 cells with Cat # MAB22121 at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody).

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Western Blot (Cell lysate)

Western blot analysis of HeLa cell lysate.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human EIF2AK4.
Immunogen	A synthetic peptide corresponding to human EIF2AK4.
Host	Rabbit
Reactivity	Human
Specificity	The antibody reacts with human EIF2AK4, in native form and recombinant. Superfamily members of EIF2AK4 are not reactive to this antibody.
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Flow Cytometry (1:100) Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C for short term storage. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil. Counter stained with hematoxylin.

- Immunofluorescence

- Immunocytochemistry

  Immunocytochemistry analysis of EIF2AK4 in A-549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

- Flow Cytometry

  Flow cytometric analysis of MCF-7 cells with Cat # MAB22121 at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody).

- Western Blot (Cell lysate)

  Western blot analysis of HeLa cell lysate.

Gene Info — EIF2AK4

Entrez GeneID	440275
Protein Accession#	Q9P2K8
Gene Name	EIF2AK4
Gene Alias	GCN2, KIAA1338
Gene Description	eukaryotic translation initiation factor 2 alpha kinase 4
Omim ID	609280
Gene Ontology	Hyperlink
Gene Summary	EIF2AK4 belongs to a family of kinases that phosphorylate the alpha subunit of eukaryotic translat ion initiation factor-2 (EIF2S1; MIM 603907) to downregulate protein synthesis in response to vari ed cellular stresses (Berlanga et al., 1999 [PubMed 10504407]).[supplied by OMIM
Other Designations	GCN2 eIF2alpha kinase

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