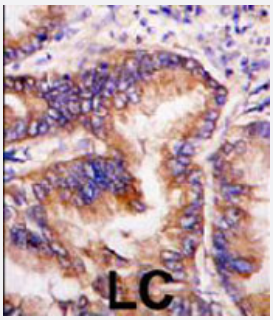
EIF2AK1 polyclonal antibody

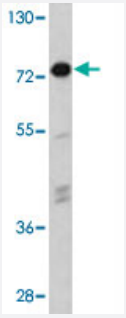
Catalog # PAB3333 Size 400 uL

Applications



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

Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with EIF2AK1 polyclonal antibody (Cat # PAB3333) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry ; clinical relevance has not been evaluated.



Western Blot (Cell lysate)

Western blot analysis of HeLa cell lysate (35 ug/lane) with EIF2AK1 polyclonal antibody (Cat # PAB3333).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of EIF2AK1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to internal region of human EIF2AK1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification

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Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:10-50) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. 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

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

  Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with EIF2AK1 polyclonal antibody (Cat # PAB3333) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry ; clinical relevance has not been evaluated.

- Western Blot (Cell lysate)

  Western blot analysis of HeLa cell lysate (35 ug/lane) with EIF2AK1 polyclonal antibody (Cat # PAB3333).

Gene Info — EIF2AK1

Entrez GeneID	27102
Protein Accession#	NP_055228;Q9BQI3
Gene Name	EIF2AK1
Gene Alias	HCR, HRI, KIAA1369
Gene Description	eukaryotic translation initiation factor 2-alpha kinase 1
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene acts at the level of translation initiation to downregulate protein synthesis in response to stress. The encoded protein is a kinase that can be inactivated by hemin . Two transcript variants encoding different isoforms have been found for this gene. [provided by R efSeq
Other Designations	heme regulated initiation factor 2 alpha kinase|heme sensitive initiation factor 2a kinase|heme-re gulated inhibitor|heme-regulated initiation factor 2-alpha kinase|heme-regulated repressor

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Publication Reference

- Molecular cloning and sequencing of the human heme-regulated eukaryotic initiation factor 2 alpha (eIF-2 alpha) kinase from bone marrow culture.

  Omasa T, Chen YG, Mantalaris A, Tsai YC, Wu JH.

  DNA Seq 2002 Jun; 13(3):133.

- Cloning of hHRI, human heme-regulated eukaryotic initiation factor 2alpha kinase: down-regulated in epithelial ovarian cancers.

  Hwang SY, Kim MK, Kim JC.

  Molecules and Cells 2000 Oct; 10(5):584.

Disease

- Cerebral Hemorrhage
- Genetic Predisposition to Disease
- Hypertension
- Intracranial Hemorrhages
- Kidney Failure
- Stroke
- Subarachnoid Hemorrhage

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