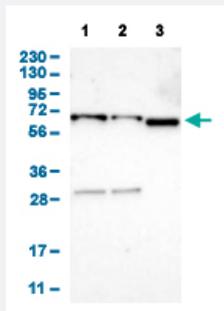


EIF2AK1 polyclonal antibody

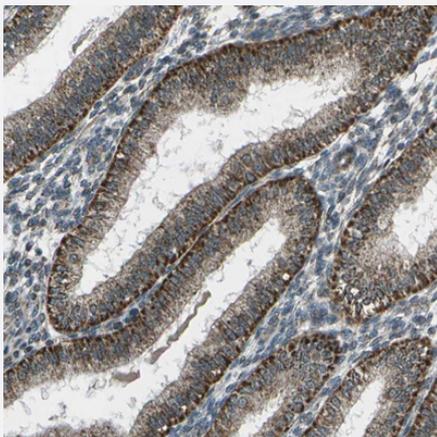
Catalog # PAB31481 Size 100 uL

Applications



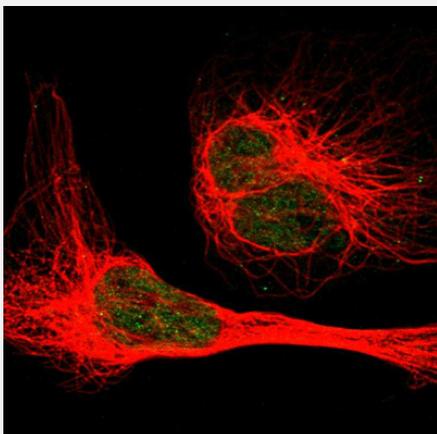
Western Blot

Western Blot analysis of (1) human cell line RT-4 (2) human cell line U-251MG sp, and (3) human plasma (IgG/HSA depleted).



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human uterine corpus shows strong cytoplasmic positivity in glandular cells.



Immunofluorescence

Immunofluorescent staining of human cell line U-2 OS shows localization to nucleoplasm. Antibody staining is shown in green.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human EIF2AK1.
Immunogen	Recombinant protein corresponding to amino acids 34-180 of human EIF2AK1.
Sequence	PDPEYDESDVPAEIQVLKEPLQQPTFPFAVANQLLLVSLLEHLSHVHEPNPLRSRQVFKLLCQTFI KMGLLSSFTCSDEFSSRLRHHNRAITHLMRSAKERVRQDPCEDISRQKIRSREVALEAQTSTRYLN EFEELAILGKGGYGR
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1-4 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:20-1:50) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% 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 should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of (1) human cell line RT-4 (2) human cell line U-251MG sp, and (3) human plasma (IgG/HSA depleted).

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

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Gene Info — EIF2AK1

Entrez GeneID	27102
Protein Accession#	Q9BQ3
Gene Name	EIF2AK1
Gene Alias	HCR, HRI, KIAA1369
Gene Description	eukaryotic translation initiation factor 2-alpha kinase 1
Gene Ontology	Hyperlink
Gene Summary	<p>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 RefSeq]</p>
Other Designations	heme regulated initiation factor 2 alpha kinase heme sensitive initiation factor 2a kinase heme-regulated inhibitor heme-regulated initiation factor 2-alpha kinase heme-regulated repressor

Disease

- [Cerebral Hemorrhage](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Kidney Failure](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)