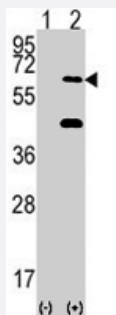


EIF2AK2 polyclonal antibody

Catalog # PAB2143

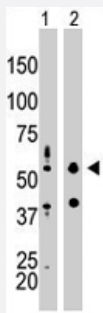
Size 400 uL

Applications



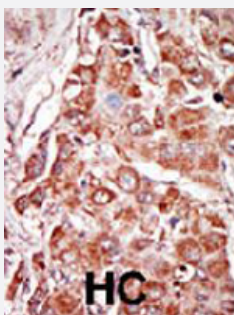
Western Blot (Transfected lysate)

Western blot analysis of EIF2AK2 (arrow) using EIF2AK2 polyclonal antibody (Cat # PAB2143). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the EIF2AK2 gene (Lane 2) (Origene Technologies).



Western Blot

The EIF2AK2 polyclonal antibody (Cat # PAB2143) is used in Western blot to detect EIF2AK2 in mouse liver tissue lysate (Lane 1) and HepG2 cell lysate (Lane 2).



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

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with EIF2AK2 polyclonal antibody (Cat # PAB2143), 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. HC = hepatocarcinoma.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of EIF2AK2.

Immunogen

A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human EIF2AK2.

Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Ammonium sulfate precipitation
Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:50-100) 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 should be handled by trained staff only.

Applications

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- Western Blot

The EIF2AK2 polyclonal antibody (Cat # PAB2143) is used in Western blot to detect EIF2AK2 in mouse liver tissue lysate (Lane 1) and HepG2 cell lysate (Lane 2) .

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Gene Info — EIF2AK2

Entrez GeneID	5610
Protein Accession#	NP_002750:Q52M43
Gene Name	EIF2AK2
Gene Alias	EIF2AK1, MGC126524, PKR, PRKR

Gene Description	eukaryotic translation initiation factor 2-alpha kinase 2
Omim ID	176871
Gene Ontology	Hyperlink
Gene Summary	interferon-inducible double stranded RNA dependent
Other Designations	OTTHUMP00000126954 double stranded RNA activated protein kinase interferon-inducible eIF2 alpha kinase protein kinase, interferon-inducible double stranded RNA dependent

Publication Reference

- [Activation of the cell stress kinase PKR in Alzheimer's disease and human amyloid precursor protein transgenic mice.](#)

Peel AL, Bredesen DE.

Neurobiology of Disease 2003 Oct; 14(1):52.

Application: WB-Ti, Human, Hippocampi

Disease

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