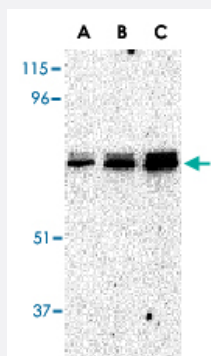


EIF2AK2 polyclonal antibody

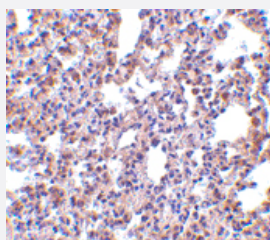
Catalog # PAB13225 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of EIF2AK2 in A-431 whole cell lysate with EIF2AK2 polyclonal antibody (Cat # PAB13225) at (A) 0.5, (B) 1 and (C) 2 ug/mL .



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

Immunohistochemistry of EIF2AK2 in rat lung tissue with EIF2AK2 polyclonal antibody (Cat # PAB13225) at 2.5 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of EIF2AK2.
Immunogen	A synthetic peptide corresponding to C-terminus 14 amino acids of human EIF2AK2.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. 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 (Cell lysate)

Western blot analysis of EIF2AK2 in A-431 whole cell lysate with EIF2AK2 polyclonal antibody (Cat # PAB13225) at (A) 0.5, (B) 1 and (C) 2 ug/mL .

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

Immunohistochemistry of EIF2AK2 in rat lung tissue with EIF2AK2 polyclonal antibody (Cat # PAB13225) at 2.5 ug/mL .

Gene Info — EIF2AK2

Entrez GeneID	5610
Protein Accession#	AAP57628
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

- [Caspase 9 activation by the dsRNA-dependent protein kinase, PKR: molecular mechanism and relevance.](#)

Gil J, Garcia MA, Esteban M.

FEBS Letters 2002 Oct; 529(2-3):249.

- [Induction of apoptosis by the dsRNA-dependent protein kinase \(PKR\): mechanism of action.](#)

Gil J, Esteban M.

Apoptosis 2000 Apr; 5(2):107.

- [Molecular cloning and characterization of the human double-stranded RNA-activated protein kinase induced by interferon.](#)

Meurs E, Chong K, Galabru J, Thomas NS, Kerr IM, Williams BR, Hovanessian AG.

Cell 1990 Jul; 62(2):379.

Disease

- [Abortion](#)
- [Brain Ischemia](#)
- [Cardiovascular Diseases](#)
- [Coronary Disease](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [Liver Cirrhosis](#)
- [Myocardial Infarction](#)
- [Ovarian Neoplasms](#)
- [Stroke](#)