

Rabbit EIF2AK3 Polyclonal Antibody | anti-EIF2AK3 antibody

EIF2AK3 Rabbit pAb

CATALOG # AAA281906	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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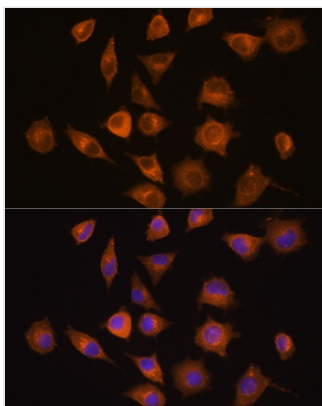
PRODUCT SYNONYMS

EIF2AK3; Polyclonal Antibody; EIF2AK3 Rabbit pAb; PEK; PERK; WRS; anti-EIF2AK3 antibody

PRODUCT SPECIFICATIONS

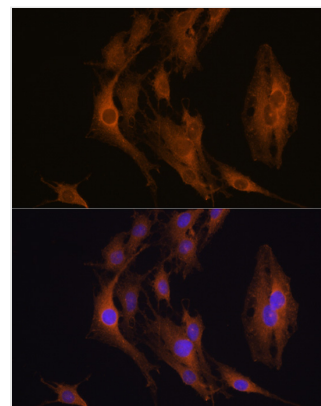
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-EIF2AK3 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant protein of human EIF2AK3
Cellular Location	Endoplasmic reticulum membrane, Single-pass type I membrane protein
Positive Samples	Mouse thymus
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.

IMAGES



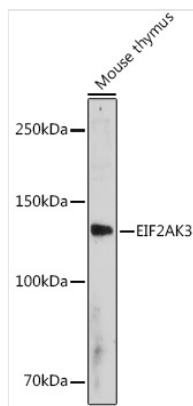
IF (Immunofluorescence)

Immunofluorescence analysis of L929 cells using EIF2AK3 Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using EIF2AK3 Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of Mouse thymus, using EIF2AK3 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 180s.

ADDITIONAL INFORMATION

Related Product Information for anti-EIF2AK3 antibody	Background: The protein encoded by this gene phosphorylates the alpha subunit of eukaryotic translation-initiation factor 2, leading to its inactivation, and thus to a rapid reduction of translational initiation and repression of global protein synthesis. This protein is thought to modulate mitochondrial function. It is a type I membrane protein located in the endoplasmic reticulum (ER), where it is induced by ER stress caused by malformed proteins. Mutations in this gene are associated with Wolcott-Rallison syndrome.
Product Categories/Family for anti-EIF2AK3 antibody	Epigenetics & Nuclear Signaling ; Translation Control ; Regulation of eIF2 ; Research ; Signal Transduction ; Kinase ; Serine/threonine kinases ; Research ; Cell Biology & Developmental Biology ; Protein folding ; Research ; Endocrine & Metabolism ; Endocrine and met

NCBI AND UNIPROT INFORMATION

NCBI GI #	134304838
NCBI GeneID	9451
NCBI Accession #	NP_004827.4
NCBI GenBank Nucleotide #	NM_004836.5
UniProt Accession #	Q9NZJ5 ; O95846 ; Q53QY0 ; Q53SB1 ; A0AVH1 ; A0AVH2 ; B2RCU9
Molecular Weight	125,216 Da
NCBI Official Full Name	eukaryotic translation initiation factor 2-alpha kinase 3
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 2-alpha kinase 3
NCBI Official Symbol	EIF2AK3
NCBI Official Synonym Symbols	PEK; WRS; PERK
NCBI Protein Information	eukaryotic translation initiation factor 2-alpha kinase 3; hsPEK; pancreatic EIF2-alpha kinase; PRKR-like endoplasmic reticulum kinase; eukaryotic translation initiation factor 2 alpha kinase 3
UniProt Protein Name	Eukaryotic translation initiation factor 2-alpha kinase 3
UniProt Gene Name	EIF2AK3
UniProt Synonym Gene Names	PEK; PERK; HsPEK
UniProt Entry Name	E2AK3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/eif2ak3-antibody-immunofluorescence-western-blot-elisa/281906>