

Rabbit anti-Human PERK-T982 Monoclonal Antibody | anti-EIF2AK3 antibody

Phospho-PERK-T982 Rabbit mAb

CATALOG # AAA283156	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Immunohistochemistry
-------------------------------	-----------------------	----------------------------	--

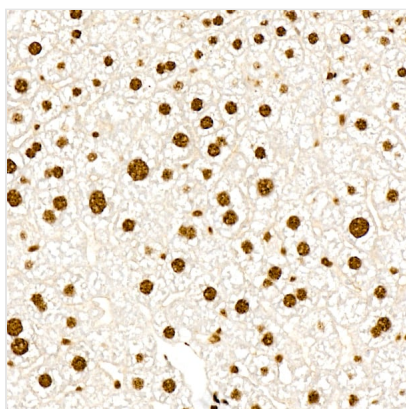
PRODUCT SYNONYMS

PERK-T982; Monoclonal Antibody; Phospho-PERK-T982 Rabbit mAb; PEK; WRS; PERK; Phospho-PERK-T982; anti-EIF2AK3 antibody

PRODUCT SPECIFICATIONS

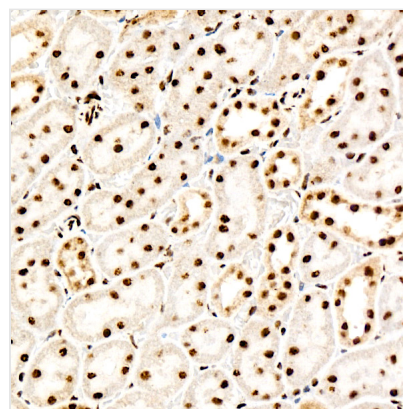
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Applicable Applications for anti-EIF2AK3 antibody	ELISA, IHC (Immunohistochemistry)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic phosphorylated peptide around T982 of human PERK.
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

IMAGES



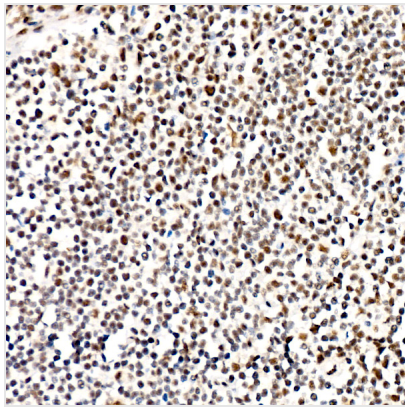
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Mouse liver using Phospho-PERK-T982 Rabbit mAb (AAA283156) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Mouse kidney using Phospho-PERK-T982 Rabbit mAb (AAA283156) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



IHC (Immunohistochemistry)
 Immunohistochemistry analysis of paraffin-embedded Human tonsil using Phospho-PERK-T982 Rabbit mAb (AAA283156) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.

ADDITIONAL INFORMATION

Related Product Information for anti-EIF2AK3 antibody	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; Signal Transduction; Kinase; Serine threonine kinases; Cell Biology Developmental Biology; Apoptosis; Endocrine Metabolism; Endocrine and metabolic diseases; Diabetes; Obesity; Neuroscience; Neurodegener

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	Calculated MW: 125kDa
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.