

Anti-PERK Rabbit pAb



WLH3378

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-PERK Rabbit pAb		
Source	Rabbit		
Species reactivity	Human, Mouse, Rat		
Tested applications	Immunohistochemistry	1:100-1:400	
	Immunofluorescence	1:100-1:400	
Cellular localization	Endoplasmic reticulum membrane.		
Pack size	50/100/200/500/1000μl		
Storage	Store at -20°C. Avoid freeze/thaw cycles.		
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml		
	BSA, 50% glycerol and less than 0.02% sodium azide		

General Information

Background	The PERK phosphorylates the alpha subunit of eukaryotic translation-initiation factor 2 (EIF2), leading to its inactivation, and thus to a rapid reduction of translational initiation and repression of global protein synthesis. It is a type I membrane protein located in the endoplasmic reticulum (ER), where it is induced by ER stress caused by malformed proteins. Research studies have demonstrated that PERK deficient mice have defects in pancreatic β cells several weeks after birth, suggesting a role for PERK mediated translational control in protecting secretory cells from ER stress.
Immunogen	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of PERK.
Purification	Polyclonal antibody was purified by immunogen affinity chromatography.

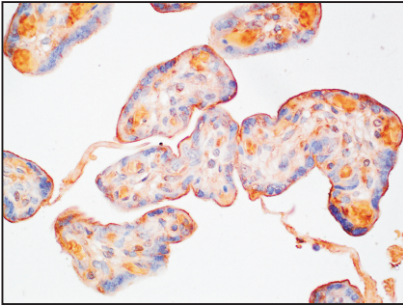
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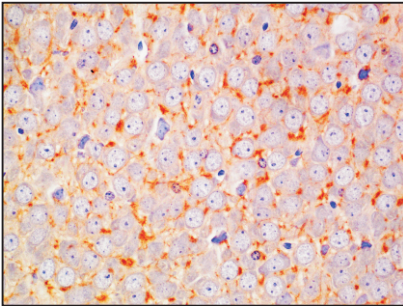
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Product Images



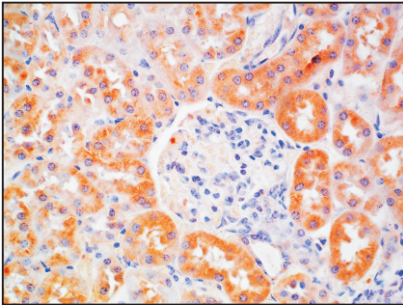
Immunohistochemistry-Anti-PERK pAb

Sample: Human placenta tissue
Antigen retrieval: pH 9.0 Tris-EDTA buffer
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Visualization: DAB



Immunohistochemistry-Anti-PERK pAb

Sample: Mouse hippocampus tissue
Antigen retrieval: pH 9.0 Tris-EDTA buffer
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Visualization: DAB



Immunohistochemistry-Anti-PERK pAb

Sample: Mouse kidney tissue
Antigen retrieval: pH 9.0 Tris-EDTA buffer
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Visualization: DAB

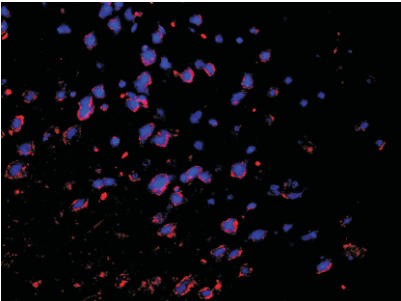
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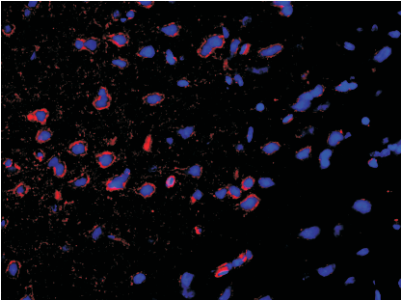
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Product Information



Immunofluorescence-Anti-PERK pAb

Sample: Mouse brain tissue
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-CY3: 1:200, at room temperature, 1h



Immunofluorescence-Anti-PERK pAb

Sample: Rat brain tissue
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-CY3: 1:200, at room temperature, 1h