

## Product datasheet for **TA375790S**

### PERK (EIF2AK3) Rabbit Polyclonal Antibody

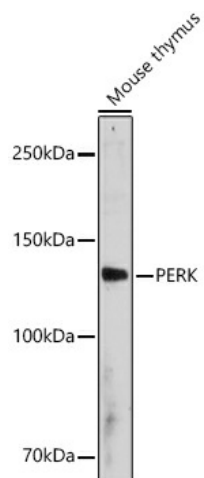
#### Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, WB
Recommended Dilution:	WB, 1:500 - 1:2000 IF, 1:50 - 1:200
Reactivity:	Human, Mouse, Rat
Modifications:	Unmodified
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human PERK
Formulation:	Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	125kDa
Gene Name:	eukaryotic translation initiation factor 2 alpha kinase 3
Database Link:	<a href="#">Entrez Gene 9451 Human Q9NZJ5</a>
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.
Synonyms:	DKFZp781H1925; HRI; HsPEK; PEK; PERK; WRS

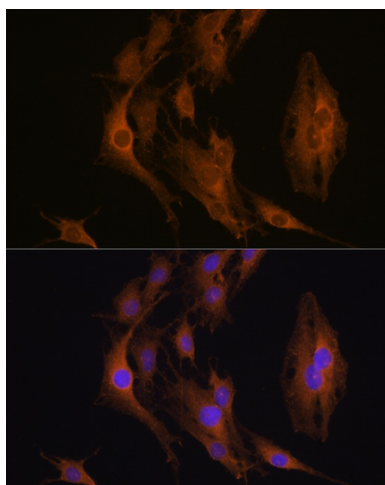


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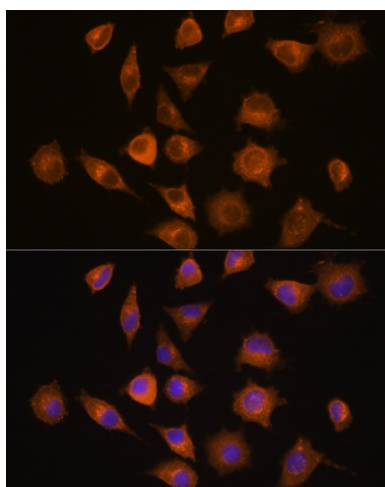
## Product images:



Western blot analysis of extracts of Mouse thymus, using PERK antibody ([TA375790]) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Enhanced Kit . | Exposure time: 180s.



Immunofluorescence analysis of C6 cells using PERK Rabbit pAb ([TA375790]) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of L929 cells using PERK Rabbit pAb ([TA375790]) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.