PERK (C33E10) Rabbit mAb



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Applications: W, W-S	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 140	Source/Isotype: Rabbit IgG	UniProt ID: #Q9NZJ5	Entrez-Gene Id: 9451
Product Usage Information	2	Application Western Blotting Simple Western™			Dilution 1:1000 1:10 - 1:50	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		PERK (C33E10) Rabbit mAb detects endogenous levels of total PERK protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val248 of human PERK protein.				
Background		resident in the endop inhibition (1-3). ER str reduced translation. F pancreatic β cells seve protecting secretory o	lasmic reticulum (E ess increases the ac Research studies ha eral weeks after bird cells from ER stress of its cytoplasmic k	n kinase (PERK) is an eIFR) membrane that coupletivity of PERK, which the ve demonstrated that Pth, suggesting a role for (4). PERK activation durinase domain (1-3). Phosing a role for (2).	les ER stress signals en phosphorylates e ERK-deficient mice l PERK-mediated tra ng ER stress correla	to translation eIF2α to promote nave defects in nslational control in tes with
Background References		1. Harding, H. et al. (1999) <i>Nature</i> 397, 271-274. 2. Shi, Y. et al. (1998) <i>Mol. Cell. Biol.</i> 18, 7499-7509. 3. Harding, H. et al. (2000) <i>Mol. Cell</i> 5, 897-904. 4. Harding, H. et al. (2001) <i>Mol. Cell</i> 7, 1153-1163.				
Species Reacti	vity	Species reactivity is de	etermined by testin	g in at least one approv	ed application (e.g.,	western blot).
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween $\$$ 20 at 4°C with gentle shaking, overnight.				
Applications Key		W: Western Blotting W-S: Simple Western™				
Cross-Reactivity Key		H: Human M: Mouse R: Rat Mk: Monkey				
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