

Phospho-PERK(Thr982) Rabbit pAb

产品信息

产品名称	产品编号	规格
Phospho-PERK(Thr982) Rabbit pAb	31270ES50	50 μ L
	31270ES60	100 μ L

产品简介

Metabolic-stress sensing protein kinase that phosphorylates the alpha subunit of eukaryotic translation initiation factor 2 (eIF-2-alpha/EIF2S1) on 'Ser-52' during the unfolded protein response (UPR) and in response to low amino acid availability. Converts phosphorylated eIF-2-alpha/EIF2S1 either in a global protein synthesis inhibitor, leading to a reduced overall utilization of amino acids, or to a translation initiation activator of specific mRNAs, such as the transcriptional activator ATF4, and hence allowing ATF4-mediated reprogramming of amino acid biosynthetic gene expression to alleviate nutrient depletion. Serves as a critical effector of unfolded protein response (UPR)-induced G1 growth arrest due to the loss of cyclin-D1 (CCND1). Involved in control of mitochondrial morphology and function.

产品性质

别名	EIF2AK3; PEK; PERK; Eukaryotic translation initiation factor 2-alpha kinase 3; PRKR-like endoplasmic reticulum kinase; Pancreatic eIF2-alpha kinase; HsPEK
SwissProt ID	Q9NZJ5
基因 ID	9451
免疫原	The antiserum was produced against synthesized peptide derived from human PEK/PERK around the phosphorylation site of Thr982. AA range:947-996.
缓冲液	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
分子量	Calculated MW: 58 kDa; Observed MW: 58 kDa
克隆类型	Polyclonal Antibody
宿主	Rabbit
物种反应	Human, Mouse, Rat
推荐应用	WB, IHC, ICC/IF, ELISA
纯化方式	Affinity Purified

应用

稀释比 WB: 1/500-1/1000; IHC: 1/50-1/100; IF: 1/50-1/200; ELISA: 1/10000

储存条件

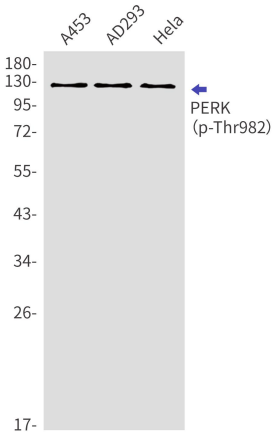
-25~-15°C保存

注意事项

1. 避免反复冻融。
2. 本产品仅作科研用途。
2. 为了您的安全和健康，请穿实验服并佩戴一次性手套操作。

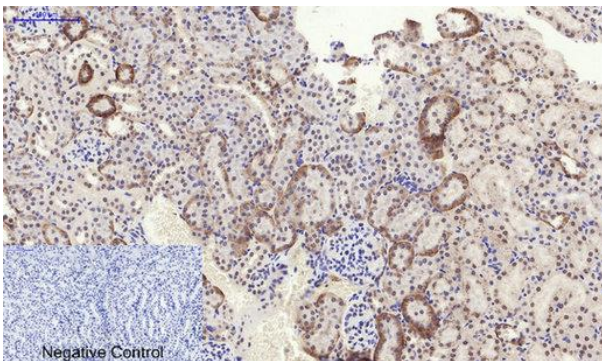
产品数据

Western blot

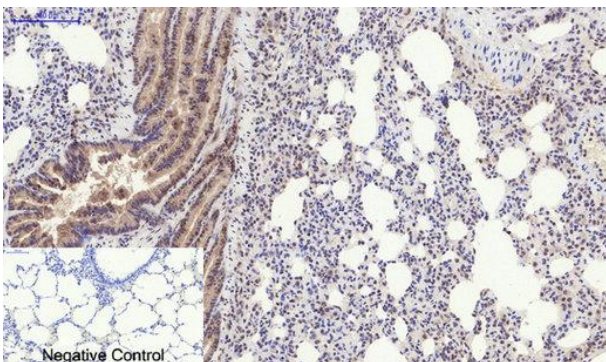


Western blot analysis of Phospho-PERK(Thr982) in A453, AD293, HeLa lysates using Phospho-PERK(Thr982) antibody.

Immunohistochemistry



Immunohistochemistry analysis of paraffin-embedded mouse kidney tissue using Phospho-PERK(Thr982) antibody. High-pressure and temperature Sodium Citrate pH6.0 was used for antigen retrieval.



Immunohistochemistry analysis of paraffin-embedded rat lung tissue using Phospho-PERK(Thr982) antibody. High-pressure and temperature Sodium Citrate pH6.0 was used for antigen retrieval.