



Choline Kinase Alpha rabbit pAb

货号	YP-Ab-18102
同位型	IgG
应用	WB
种属	Human;Mouse;Rat
靶点	CHKA
基因名称	CHKA CHK CKI
蛋白名称	Choline kinase alpha (CK) (EC 2.7.1.32) (CHETK-alpha) (Ethanolamine kinase) (EK) (EC 2.7.1.82)
免疫原	Synthesized peptide derived from human Choline Kinase Alpha
特异性	This antibody detects endogenous levels of Choline Kinase Alpha at Human, Mouse,Rat
组成	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
来源	Polyclonal, Rabbit,IgG
稀释	WB 1:500-2000
纯化工艺	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
分子量	50kD
功能	Plays a key role in phospholipid biosynthesis by catalyzing the phosphorylation of free choline to phosphocholine, the first step in phosphatidylcholine biosynthesis . Also phosphorylates ethanolamine, thereby contributing to phosphatidylethanolamine biosynthesis . Has higher activity with choline . May contribute to tumor cell growth . ; [Isoform 1]: This isoform plays a key role in lipolysis of lipid droplets following glucose deprivation . In response to glucose deprivation, phosphorylated by AMPK, promoting localization to lipid droplets . Phosphorylation is followed by acetylation by KAT5, leading to dissociation of the homodimer into a monomer . Monomeric CHKA isoform 1 is converted into a tyrosine-protein kinase, which phosphorylates lipid droplet structural proteins PLIN2 and PLIN3, leading to lipolysis of lipid droplets .
细胞定位	Cytoplasm, cytosol . ; [Isoform 1]: Lipid droplet . Isoform 1 localizes to lipid droplets following phosphorylation by AMPK. .
浓度	1 mg/ml
储存	-15°C to -25°C/1 year(Do not lower than -25°C)
有关注意事项	Avoid repeated freezing and thawing!
使用建议	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



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