

小鼠抗 PIKFYVE 单克隆抗体

中文名称： 小鼠抗 PIKFYVE 单克隆抗体

英文名称： Anti-PIKFYVE mouse monoclonal antibody

别名： phosphoinositide kinase, FYVE-type zinc finger containing; CFD; FAB1; HEL37; PIP5K; PIP5K3; ZFYVE29

相关类别： 一抗

储存： 冷冻 (-20℃)

宿主： Mouse

抗原： PIKFYVE

反应种属： Human

标记物： Unconjugate

克隆类型： mouse monoclonal

技术规格

Background:

Phosphorylated derivatives of phosphatidylinositol (PtdIns) regulate cytoskeletal functions, membrane trafficking, and receptor signaling by recruiting protein complexes to cell- and endosomal-membranes. Humans have multiple PtdIns proteins that differ by the degree and position of phosphorylation of the inositol ring. This gene encodes an enzyme (PIKfyve; also known as phosphatidylinositol-3-phosphate 5-kinase type III or PIPKIII) that phosphorylates the D-5 position in PtdIns and phosphatidylinositol-3-phosphate (PtdIns3P) to make PtdIns5P and PtdIns(3,5)biphosphate. The D-5 position also can be phosphorylated by type I PtdIns4P-5-ki

	<p>nases (PIP5Ks) that are encoded by distinct genes and preferentially phosphorylate D-4 phosphorylated PtdIns. In contrast, PIKfyve preferentially phosphorylates D-3 phosphorylated PtdIns. In addition to being a lipid kinase, PIKfyve also has protein kinase activity. PIKfyve regulates endomembrane homeostasis and plays a role in the biogenesis of endosome carrier vesicles from early endosomes. Mutations in this gene cause corneal fleck dystrophy (CFD); an autosomal dominant disorder characterized by numerous small white flecks present in all layers of the corneal stroma. Histologically, these flecks appear to be keratocytes distended with lipid and mucopolysaccharide filled intracytoplasmic vacuoles. Alternative splicing results in multiple transcript variants encoding distinct isoforms.</p>
Applications:	WB
Name of antibody:	PIKFYVE
Immunogen:	Fusion protein of human PIKFYVE
Full name:	phosphoinositide kinase, FYVE-type zinc finger containing
Synonyms:	CFD; FAB1; HEL37; PIP5K; PIP5K3; ZFYVE29
SwissProt:	Q9Y2I7
WB Predicted band size:	237 KD
WB Positive control:	Jurkat, K562, 293T, HepG2 cell lysates
WB Recommended dilution:	500-2000