

## 兔抗 PIKFYVE 多克隆抗体

中文名称：兔抗 PIKFYVE 多克隆抗体

英文名称： Anti-PIKFYVE rabbit polyclonal antibody

别名： CFD; FAB1; HEL37; PIP5K; PIP5K3; ZFYVE29

抗原： PIKFYVE

储存： 冷冻（-20℃） 避光

宿主： Rabbit

反应种属： Human Mouse

相关类别： 一抗

标记物： Unconjugate

克隆类型： Unconjugate

### 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-kinases

	(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.
<b>Applications:</b>	WB, IF
<b>Name of antibody:</b>	PIKFYVE
<b>Immunogen:</b>	Synthesized peptide derived from internal of human PIP5K.
<b>Full name:</b>	phosphoinositide kinase, FYVE finger containing
<b>Synonyms :</b>	CFD; FAB1; HEL37; PIP5K; PIP5K3; ZFYVE29
<b>SwissProt:</b>	Q9Y2I7
<b>WB Predicted band size:</b>	237 kDa
<b>WB Positive control:</b>	HepG2 cells lysate
<b>WB Recommended dilution:</b>	500-3000
<b>IF positive control:</b>	COS7 cells
<b>IF Recommend dilution:</b>	100-500

