Best Tools for immunology Research

FBP17 rabbit pAb

Catalog No :	YN7710
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	FNBP1
Gene Name :	FNBP1 FBP17 KIAA0554
Protein Name :	Formin-binding protein 1 (Formin-binding protein 17) (hFBP17)
Human Gene Id :	23048
Human Swiss Prot No :	Q96RU3
Mouse Gene Id :	14269
Mouse Swiss Prot No :	Q80TY0
Rat Gene Id :	192348
Rat Swiss Prot No :	Q8R511
Immunogen :	Synthesized peptide derived from human FBP17
Specificity :	This antibody detects endogenous levels of FBP17 at Human, Mouse,Rat
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	68kD
Function :	May act as a link between RND2 signaling and regulation of the actin cytoskeleton (By similarity). Required to coordinate membrane tubulation with reorganization of the actin cytoskeleton during the late stage of clathrin-mediated endocytosis. Binds to lipids such as phosphatidylinositol 4,5-bisphosphate and phosphatidylserine and promotes membrane invagination and the formation of tubules. Also enhances actin polymerization via the recruitment of WASL/N-WASP, which in turn activates the Arp2/3 complex. Actin polymerization may promote the fission of membrane tubules to form endocytic vesicles. May be required for the lysosomal retention of FASLG/FASL.
Subcellular Location :	Cytoplasm. Cytoplasm, cytoskeleton. Cytoplasm, cell cortex. Lysosome. Cytoplasmic vesicle. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Membrane, clathrin-coated pit. Enriched in cortical regions coincident with F-actin. Also localizes to endocytic vesicles and lysosomes.
Expression :	Very highly expressed in the epithelial cells of the gastrointestinal tract, respiratory, reproductive and urinary systems. Also highly expressed in brown adipose tissue, cardiomyocytes, enteric ganglia and glucagon producing cells of the pancreas. Expressed in germ cells of the testis and all regions of the brain.

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