



FBP17 Mouse mAb

Catalog No	YP-mAb-18855
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	FBNP1 FBP17 KIAA0554
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	Monoclonal,Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	FBP17;FBNP1;formin binding protein 1;Formin binding protein 17;hFBP17; KIAA554;FBNP1 FBP17 KIAA0554;Formin-binding protein 1 (Formin-binding protein 17) (hFBP17)
Observed Band	8-85 kDa
Calculated Molecular Weight	68kD
Cell Pathway	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.
Tissue Specificity	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.
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.

Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images