



CCDC88C mouse mAb

Catalog No	YP-mAb-18058
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CCDC88C DAPLE KIAA1509
Immunogen	Synthesized peptide derived from human CCDC88C
Specificity	This antibody detects endogenous levels of CCDC88C at Human, Mouse
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 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CCDC88C;DAPLE;hDaple;HkRP2;Hook related protein 2;KIAA1509;Protein Daple;CCDC88C DAPLE KIAA1509;Protein Daple (Coiled-coil domain-containing protein 88C) (Dvl-associating protein with a high frequency of leucine residues) (hDaple) (Hook-related protein 2) (HkRP2)
Observed Band	250 kDa, 100 kDa
Calculated Molecular Weight	2028 aa, 228 kDa
Cell Pathway	Cytoplasm . Cell junction . Enriched at apical cell junctions. .
Tissue Specificity	
Function	Required for activation of guanine nucleotide-binding proteins (G-proteins) during non-canonical Wnt signaling . Binds to ligand-activated Wnt receptor FZD7, displacing DVL1 from the FZD7 receptor and leading to inhibition of canonical Wnt signaling . Acts as a non-receptor guanine nucleotide exchange factor by also binding to guanine nucleotide-binding protein G(i) alpha (Gi-alpha) subunits, leading to their activation . Binding to Gi-alpha subunits displaces the beta and gamma subunits from the heterotrimeric G-protein complex, triggering non-canonical Wnt responses such as activation of RAC1 and PI3K-AKT signaling . Promotes apical constriction of cells via ARHGEF18 .



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