SUFU Mouse mAb

Catalog No	YP-mAb-19242
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB
Gene Name	SUFU UNQ650/PRO1280
Protein Name	Suppressor of fused homolog (SUFUH)
Immunogen	Synthesized peptide derived from human SUFU
Specificity	This antibody detects endogenous levels of SUFU 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 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	
Calculated Molecular Weight	53kD
Cell Pathway	Cytoplasm . Nucleus .
Tissue Specificity	Ubiquitous in adult tissues. Detected in osteoblasts of the perichondrium in the developing limb of 12-week old embryos. Isoform 1 is detected in fetal brain, lung, kidney and testis. Isoform 2 is detected in fetal testis, and at much lower levels in fetal brain, lung and kidney.
Function	Negative regulator in the hedgehog/smoothened signaling pathway . Down-regulates GLI1-mediated transactivation of target genes . Down-regulates GLI2-mediated transactivation of target genes . Part of a corepressor complex that acts on DNA-bound GLI1. May also act by linking GLI1 to BTRC and thereby targeting GLI1 to degradation by the proteasome . Sequesters GLI1, GLI2 and GLI3 in the cytoplasm, this effect is overcome by binding of STK36 to both SUFU and a GLI protein . Negative regulator of beta-catenin signaling (By similarity). Regulates the formation of either the repressor form (GLI3R) or the activator form (GLI3A) of the full-length form of GLI3 (GLI3FL) . GLI3FL is complexed with SUFU in the cytoplasm and is maintained in a neutral state . Without the Hh signal, the SUFU-GLI3 complex is recruited to cilia, leading to the efficient processing of

	GLI3FL into GLI3R . When Hh signal
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