

Summary

Production Name	SUFU Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB
Reactivity	Human, African Green Mouseonkey, Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Immunogen

Gene Name	SUFU
Alternative Names	Suppressor of fused homolog, SUFUH, SUFU
Gene ID	51684.0
SwissProt ID	Q9UMX1. This SUFU antibody is generated from a mouse immunized with a recombinant protein of human SUFU.

Application

Dilution Ratio	WB:1:2000
Molecular Weight	53.9kDa

Background

Negative regulator in the hedgehog signaling pathway. Down-regulates GLI1-mediated transactivation of target genes.

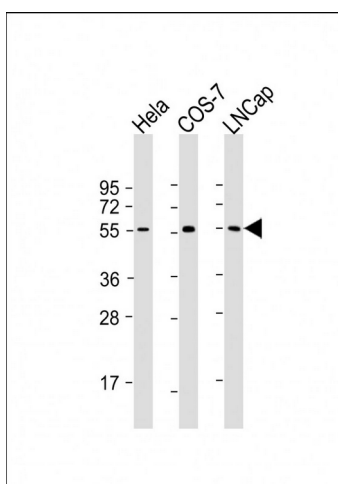
Product Name: SUFU Mouse Monoclonal Antibody
Catalog #: AMM86079



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. 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 signaling is initiated, SUFU dissociates from GLI3FL and the latter translocates to the nucleus, where it is phosphorylated, destabilized, and converted to a transcriptional activator (GLI3A). Required for the proper formation of hair follicles and the control of epidermal differentiation (By similarity).

Research Area

Image Data



All lanes : Anti-SUFU Antibody at 1:2000 dilution

Note

For research use only.