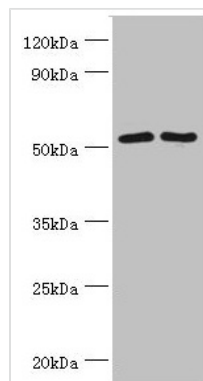




SUFU Antibody

Product Code	CSB-PA891560ESR2HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q9UMX1
Immunogen	Recombinant Human Suppressor of fused homolog protein (325-484AA)
Raised In	Rabbit
Species Reactivity	Human, Mouse
Tested Applications	ELISA, WB, IHC; Recommended dilution: WB:1:500-1:2000, IHC:1:20-1:200
Relevance	Negative regulator in the hedgehog signaling pathway. Down-regulates GLI1-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. 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.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purification Method	Antigen Affinity Purified
Isotype	IgG
Clonality	Polyclonal
Alias	Suppressor of fused homolog (SUFUH), SUFU
Species	Human
Research Area	Epigenetics and Nuclear Signaling
Target Names	SUFU
Image	



Western blot

All lanes: Suppressor of fused homolog antibody at 4 μ g/ml

Lane 1: HepG2 whole cell lysate

Lane 2: Hela whole cell lysate

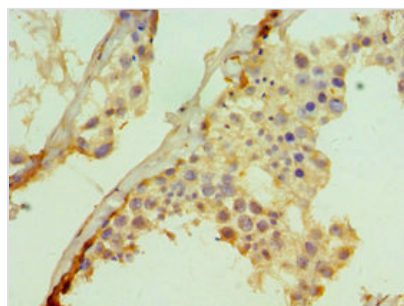
Lane 3: Mouse kidney tissue

Secondary

Goat polyclonal to rabbit IgG at 1/10000 dilution

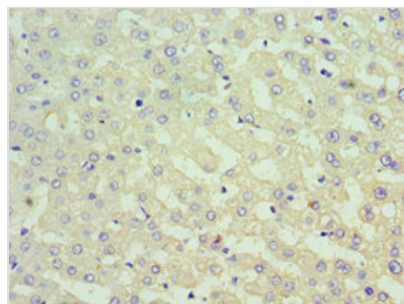
Predicted band size: 54, 48, 53 kDa

Observed band size: 54 kDa



Immunohistochemistry of paraffin-embedded human testis tissue using CSB-

PA891560ESR2HU at dilution of 1:100



Immunohistochemistry of paraffin-embedded human liver tissue using CSB-

PA891560ESR2HU at dilution of 1:100