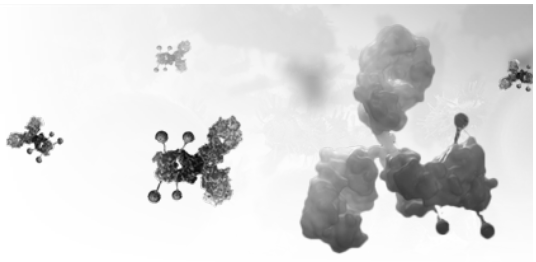

Anti-SUFU (aa 2-13) polyclonal antibody (DPABH-10110)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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).
Immunogen	Synthetic peptide: AELRPSGAPGPT-C, corresponding to amino acids 2-13 of Human Suppressor of Fused (NP_057253.2).
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	IHC-P
Format	Liquid
Size	50 µg

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Buffer	pH: 7.30; Constituents: 99% Tris buffered saline, 0.5% BSA
Preservative	0.02% Sodium Azide
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	SUFU suppressor of fused homolog (Drosophila) [Homo sapiens]
Official Symbol	SUFU
Synonyms	SUFU; suppressor of fused homolog (Drosophila); SUFUH; SUFUXL; PRO1280; suppressor of fused homolog;
Entrez Gene ID	51684
Protein Refseq	NP_001171604.1
UniProt ID	Q9UMX1
Pathway	Basal cell carcinoma; Hedgehog Signaling Pathway; Hedgehog signaling pathway; Pathways in cancer
Function	beta-catenin binding; protein binding; protein kinase binding; signal transducer activity

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