

## **Product Datasheet**

## SUFU/Suppressor of Fused Antibody GRP613

Description	Negative regulator in the hedgehog signaling pathway. Down-regulates GL11-mediated transactivation of target genes. Part of a corepressor complex that acts on DNA-bound GL11. May also act by linking GL11 to BTRC and thereby targeting GL11 to degradation by the proteasome. Sequesters GL11, GL12 and GL13 in the cytoplasm, this effect is overcome by binding of STK36 to both SUFU and a GL1 protein. Negative regulator of beta-catenin signaling. Regulates the formation of either the repressor form (GL13R) or the activator form (GL13A) of the full length form of GL13 (GL13FL). GL13FL is complexed with SUFU in the cytoplasm and is maintained in a neutral state. Without the Hh signal, the SUFU-GL13 complex is recruited to cilia, leading to the efficient processing of GL13FL into GL13R. When Hh signaling is initiated, SUFU dissociates from GL13FL and the latter translocates to the nucleus, where it is phosphorylated, destabilized, and converted to a transcriptional activator (GL13A). Required for the proper formation of hair follicles and the control of epidermal differentiation (By similarity).	
Species/Host	Rabbit	1 2 12%Ge
Reactivity	Human, Mouse, Rat	85kD 88kD
Conjugation	Unconjugated	35kD
Tested Applications	IHC-P	25kD 20kD
		WB of GRP613
Immunogen	KLH conjugated synthetic peptide derived from human SUFU (public_immunogen_range: 440-484/484)	
Form/Appearance	Aqueous buffered solution containing 1% BSA, 50% glycerol and 0.09% sodium azide.	
Concentration	1ug/ul	
Storage	Store at -20°C for 12 months.	IHC-P of GRP613
Note	For research use only.	
Isotype	lgG	
Clonality	Polyclonal	
Purity	Purified by Protein A.	
Uniprot ID	Q9UMX1	
Entrez	51684	
Dilution Range	IHC-P: 1:200-400	

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