



Datasheet for ABIN6265364  
**anti-SUFUH antibody (N-Term)**



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1 Image

Overview

Quantity:	100 µL
Target:	SUFUH
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SUFUH antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	A synthesized peptide derived from human SUFU, corresponding to a region within N-terminal amino acids.
Isotype:	IgG
Specificity:	SUFU Antibody detects endogenous levels of total SUFU.
Predicted Reactivity:	Bovine,Horse,Dog,Xenopus
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	SUFUH
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## Target Details

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Alternative Name: [SUFU \(SUFUH Products\)](#)

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Background: Description: Negative regulator in the hedgehog/smoothened signaling pathway. Down-regulates GLI1-mediated transactivation of target genes (PubMed:15367681, PubMed:24311597, PubMed:24217340). Down-regulates GLI2-mediated transactivation of target genes (PubMed:24311597, PubMed:24217340). 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 (PubMed:10806483, PubMed:24217340). 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 normal embryonic development. Required for the proper formation of hair follicles and the control of epidermal differentiation (By similarity).  
Gene: SUFU

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Molecular Weight: 54 kDa

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Gene ID: 51684

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UniProt: [Q9UMX1](#)

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Pathways: [Hedgehog Signaling](#), [Tube Formation](#), [Maintenance of Protein Location](#)

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## Application Details

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Application Notes: WB 1:1000-3000, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 1 mg/mL

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Buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

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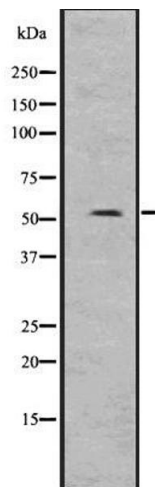
## Handling

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Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

## Images

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### Western Blotting

**Image 1.** Western blot analysis of SUFU using HuvEc whole lysates.