

Datasheet for ABIN7091703 **anti-SUFUH antibody**

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Overview

Quantity:	100 µL
Target:	SUFUH
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SUFUH antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant human SUFU.
Clone:	D6S12
Predicted Reactivity:	Human,Mouse,Monkey

Target Details

Target:	SUFUH
Alternative Name:	SUFU (SUFUH Products)
Background:	<p>Synonyms: SU FU, SU(F)U, Su(fu), SUFU_HUMAN, SUFUH, SUFUXL, Suppressor of fused homolog (Drosophila), Suppressor of fused homolog, OTTHUMP00000020374, OTTHUMP00000020377, OTTHUMP00000020379, PRO1280.</p> <p>Background: Negative regulator in the hedgehog signaling pathway. Down-regulates GLI1-mediated transactivation of target genes. Part of a corepressor complex that acts on DNA-</p>

Target Details

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).

Gene ID: 51684

UniProt: [Q9UMX1](#)

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

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400

Restrictions: For Research Use only

Handling

Concentration: 0.5 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months