

Product Name: KD-Validated SUFU Mouse Monoclonal Antibody**Catalog #: KVA01875**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1 kappa
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 53.9kDa

Antigen Information

Gene Name	SUFU
Alternative Names	SUFU; SUFU Negative Regulator Of Hedgehog Signaling; SUFUH; PRO1280; SUFUXL; Suppressor Of Fused Homolog; Suppressor Of Fused Homolog (Drosophila); Negative Regulator Of Hedgehog Signaling; JBTS32; BCNS2
Gene ID	51684.0
SwissProt ID	Q9UMX1
Immunogen	Recombinant protein of human SUFU

Background

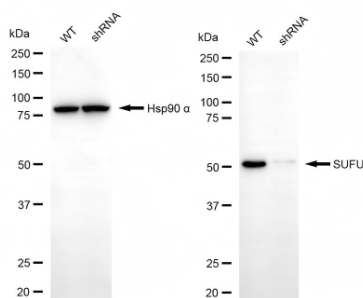
The Hedgehog signaling pathway plays an important role in early human development. The pathway is a signaling cascade that plays a role in pattern formation and cellular proliferation during development. This gene encodes a negative regulator of the

hedgehog signaling pathway. Defects in this gene are a cause of medulloblastoma. Alternative splicing results in multiple transcript variants.[provided by RefSeq, May 2010]

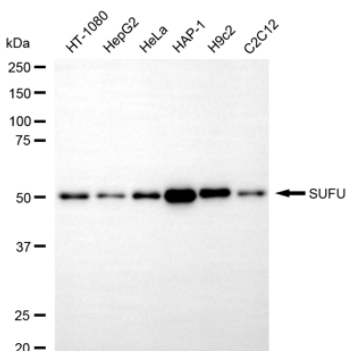
Research Area

Epigenetics and Nuclear Signaling,Cancer

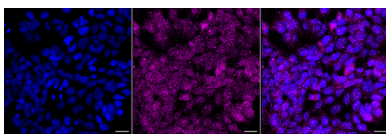
Image Data



Western blotting analysis using SUFU antibody (KVA01875). SUFU expression in wild-type (WT) and SUFU shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with SUFU antibody (KVA01875, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using SUFU antibody (KVA01875). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with SUFU antibody (KVA01875, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HAP-1 cells with SUFU antibody (KVA01875, 1:1,000). Nuclei were stained blue with DAPI; SUFU was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar, 20 µm.