

Sufu(Phospho-Ser342) Antibody

Catalog No: #11552



Package Size: #11552-1 50ul #11552-2 100ul

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Description

Product Name	Sufu(Phospho-Ser342) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of Sufu protein only when phosphorylated at serine 342.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Serine 342 (A-P-S(p)-R-K) derived from Human Sufu.
Target Name	Sufu
Modification	Phospho
Other Names	SUFUH
Accession No.	Swiss-Prot: Q9UMX1NCBI Protein: NP_057253.2
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Predicted MW: 54kd

Western blotting: 1:500~1:1000

Background

SUFU encodes a component of the Sonic hedgehog (SHH; MIM 600725)/Patched (PTCH; MIM 601309) signaling pathway. Mutations in genes encoding components of this pathway are deleterious for normal development and are associated with cancer-predisposing syndromes (e.g., HPE3, MIM 142945; BCNS, MIM 109400; and GCPS, MIM 175700)

Zimmern P, et al. (2010) NeuroUrol Urodyn. 29(5):715-8.

Wang C, et al. (2010) Development. 137(12):2001-9.

Rabasseda X, et al. (2010) Drug News Perspect. 23(4):273-5.

Published Papers

Yan Chen, Shen Yue, Lu Xie et al., Dual Phosphorylation of Suppressor of Fused (Sufu) by PKA and GSK3 β Regulates Its Stability and Localization in the Primary Cilium, THE JOURNAL OF BIOLOGICAL CHEMISTRY, 286(15):13502-13511(2011)

PMID:21317289

et al., Suppressor of Fused (Sufu) Mediates the Effect of Parathyroid Hormone-Like Hormone (PTHrP) on Chondrocyte Differentiation in the Growth

Plate. In J Biol Chem on 2012 Oct 19 by Xiaoyun Zhang, Steven Cheng, et al.. PMID:22930757, , (2012)

[PMID:22930757](#)

el et al., Protein phosphatase 4 promotes Hedgehog signaling through dephosphorylation of Suppressor of fused. In Cell Death Dis on 2020 Aug 11 by Hengqing Liao, Jing Cai, et al.. PMID:32826873, , (2020)

[PMID:32826873](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.