

Anti-Sufu

Catalogue number: 153541

Sub-type: Primary antibody

Images:

Contributor

Inventor: Vincenzo D'Angiolella

Institute: University of Oxford

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Sufu

Alternate name: Suppressor of fused homolog, SUFUH

Class: Polyclonal

Conjugate: Unconjugated

Description: Sufu is a negative regulator in the hedgehog signaling pathway which directs cell proliferation and patterning during embryogenesis. Sufu down-regulates GLI1- and GLI2-mediated transactivation of target genes and is part of a corepressor complex that acts on DNA-bound GLI1. Required for normal embryonic development. Sufu is ubiquitous in adult tissues. Heterozygous loss of Sufu, in conjunction with the loss of p53, leads to the development of medulloblastoma and rhabdomyosarcoma. Somatic Sufu mutations have been identified in multiple other malignancies, including prostate cancer.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype:

Reactivity: Human ; Mouse

Selectivity:

Host: Rabbit

Immunogen: Sufu peptide: Hu #347~360: CLESDSSTAIPHEL (non-phosphorylated)

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Sufu (UniProt ID: Q9UMX1)

Target alternate names:

Target background: Sufu is a negative regulator in the hedgehog signaling pathway which directs cell proliferation and patterning during embryogenesis. Sufu down-regulates GLI1- and GLI2-mediated transactivation of target genes and is part of a corepressor complex that acts on DNA-bound GLI1. Required for normal embryonic development. Sufu is ubiquitous in adult tissues. Heterozygous loss of Sufu, in conjunction with the loss of p53, leads to the development of medulloblastoma and rhabdomyosarcoma. Somatic Sufu mutations have been identified in multiple other malignancies, including prostate cancer.

Molecular weight:

Ic50:

Applications

Application: WB

Application notes:

Handling

Format: Liquid

Concentration: 2 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions: -15° C to -25° C

Shipping conditions: Shipping at 4° C

Related tools

Related tools: Anti-phospho-Sufu, Polyclonal

References

References: Raducu et al. 2016. EMBO J. 35(13):1400-16. PMID: 27234298. ; SCF (Fbxl17) ubiquitylation of Sufu regulates Hedgehog signaling and medulloblastoma development.

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