

Anti-SUFU Antibody (9G627)

Product Details

Ig Type:	IgG1, k
Reactivity:	Human, Mouse (predicted: Monkey)
Molecular Weight:	Theoretical: 53/106 kDa. Actual: 55 kDa.
Clone:	9G627
Purification:	Protein G purified

Applications

Verified Activity:	<p>1. Paraformaldehyde-fixed, paraffin embedded (mouse embryo tissue sections); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (SUFU) Monoclonal Antibody, Unconjugated (TMAB-13258) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.</p> <p>2. Sample:</p> <p>Lane 1: Hela cell lysates Lane 2: COS-7 cell lysates Lane 3: LNCap cell lysates</p> <p>Primary: Anti-SUFU (TMAB-13258) at 1/2000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 53/106 kD Observed band size: 55 kD</p>
Application:	WB, IHC-P, IHC-Fr, IF
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: human SUFU
Antigen Species:	Human
Gene ID:	51684
Uniprot ID:	Q9JMX1

Research Background

SUFU is a key negative regulator in the vertebrate Hedgehog signaling pathway. SUFU interacts with genes encoding proteins in this signal transduction pathway. In *Drosophila*, Intracellular transduction of the Hedgehog pathway involves the release of a large complex containing SUFU. SUFU inhibits the activity of the transcription factor Gli1 and interacts with Gli2, Gli3 and the serine/threonine kinase Fused. SUFU is widely expressed in adult and embryonic

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tissues with higher expression in tissues patterned by hedgehog signaling. The SUFU gene locus maps to a region that is deleted in glioblastomas, prostate cancer, malignant melanoma and endometrial cancer.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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