

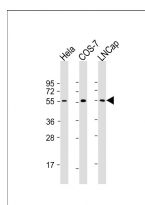
bsm-51651M**[Primary Antibody]****SUFU Mouse mAb****BioSS**
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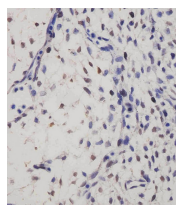
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— DATASHEET —**Host:** Mouse**Isotype:** IgG1, k**Clonality:** Monoclonal**CloneNo.:** D6S12**GeneID:** 51684**SWISS:** Q9UMX1**Target:** SUFU**Purification:** affinity purified by Protein G**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.**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 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.**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Reactivity:** Human, Mouse
(predicted: Monkey)**Predicted
MW.:** 53/106 kDa**Subcellular
Location:** Cytoplasm ,Nucleus**— VALIDATION IMAGES —**

Sample: Lane 1: HeLa cell lysates Lane 2: COS-7 cell lysates Lane 3: LNCap cell lysates Primary: Anti-SUFU (bsm-51651M) 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



Paraformaldehyde-fixed, paraffin embedded (mouse embryo tissue sections); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SUFU) Monoclonal Antibody, Unconjugated (bsm-51651M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.