

#11552

## Sufu (Phospho-Ser342) Antibody



**Catalog:** #11552-1 50µl **Orders:** [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
#11552-2 100µl **Support:** [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)  
**Storage:** Store at -20°C/1 year **Web:** [www.signalwayantibody.com](http://www.signalwayantibody.com)

Application	Species Reactivity	Source	Molecular Wt.
WB	Human	Rabbit Polyconal Ab	54KD

**Description:** Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.

### Recommended Dilutions:

Western blotting 1:500~1:1000

**Specificity:** The antibody detects endogenous level of Sufu protein only when phosphorylated at serine 342.

**Immunogen:** Peptide sequence around phosphorylation site of Serine 342 (A-P-S(p)-R-K) derived from Human Sufu.

**Formulation:** Supplied at 1.0mg/mL in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Synonyms:** SUFUH

**Accession No.:** Swiss-Prot#: Q9UMX1 NCBI Gene#: 51684  
NCBI Protein#: NP\_057253.2

**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)

### References:

Zimmern P,et al.(2010) Neurorol 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.

### Citation:

If you publish research using #11552 please [let us know](#).

### Related Pathway:

**Note:** For western blotting, incubate membrane with diluted antibody in 5% nonfat milk, 1X TBS, 0.1% Tween-20 at 4°C with gentle shaking, overnight.