

# SPRY3 Polyclonal Antibody

Catalog Number:E-AB-90920



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

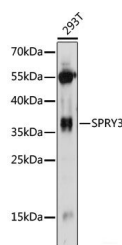
## Description

<b>Reactivity</b>	Human
<b>Immunogen</b>	A synthetic peptide of human SPRY3
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Conjugation</b>	Unconjugated
<b>Formulation</b>	PBS with 0.01% thiomersal,50% glycerol,pH7.3.

## Applications Recommended Dilution

<b>WB</b>	1:500-1:2000
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## Data



Western blot analysis of extracts of 293T cells using SPRY3 Polyclonal Antibody at 1:1000 dilution.

**Observed Mw:36kDa**  
**Calculated Mw:31kDa**

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze/thaw cycles.

## Background

Members of the Sprouty family (Sprouty 1-4) are inducible negative regulators of growth factors that act through tyrosine kinase receptors. Mammalian Sprouty homologs share a well-conserved cysteine-rich carboxy-terminal domain with their Drosophila counterparts. Sprouty proteins are cytoplasmic in unstimulated cells, but in cells stimulated by growth factors they anchor to the plasma membrane by palmitoylation. Sprouty 1 and 2 associate with caveolin-1 in perinuclear and vesicular structures and are phosphorylated on serine residues. Sprouty 2 can associate with c-Cbl, a downregulator of RTK signaling, and inhibit the activities of several growth factors. Unlike the widely expressed Sprouty members 1, 2 and 4, Sprouty 3 expression is restricted to adult brain and testis. Sprouty 4 is a target of the WNT/b-catenin signaling pathway in progenitor cells. In conclusion, members of Sprouty inhibit FGF and VEGF-mediated cell proliferation, suggesting that they may regulate angiogenesis in normal and disease processes.

## For Research Use Only

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