

SPY2 Polyclonal Antibody

Catalog No: YN2994

Reactivity: Human; Mouse

Applications: WB;ELISA

Target: SPY2

Fields: >>MicroRNAs in cancer

Gene Name: SPRY2

Protein Name : Protein sprouty homolog 2 (Spry-2)

O43597

Q9QXV8

Human Gene Id: 10253

Human Swiss Prot

Tullian Swiss Frot

No:

Mouse Swiss Prot

No:

Immunogen: Synthesized peptide derived from part region of human protein

Specificity: SPY2 Polyclonal Antibody detects endogenous levels of protein.

Formulation: Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500-2000 ELISA 1:5000-20000

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 34kD

Cell Pathway : __Jak_STAT;

Background:

This gene encodes a protein belonging to the sprouty family. The encoded protein contains a carboxyl-terminal cysteine-rich domain essential for the inhibitory activity on receptor tyrosine kinase signaling proteins and is required for growth factor stimulated translocation of the protein to membrane ruffles. In primary dermal endothelial cells this gene is transiently upregulated in response to fibroblast growth factor two. This protein is indirectly involved in the non-cell autonomous inhibitory effect on fibroblast growth factor two signaling. The protein interacts with Cas-Br-M (murine) ectropic retroviral transforming sequence, and can function as a bimodal regulator of epidermal growth factor receptor/mitogenactivated protein kinase signaling. This protein may play a role in alveoli branching during lung development as shown by a similar mouse protein. [provided by RefSeq, Jul

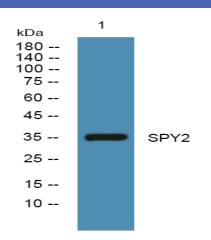
Function:

domain: The Cys-rich domain is responsible for the localization of the protein to the membrane ruffles., function: May function as an antagonist of fibroblast growth factor (FGF) pathways and may negatively modulate respiratory organogenesis., induction: By FGF signaling., similarity: Belongs to the sprouty family., similarity: Contains 1 SPR (sprouty) domain., subcellular location: Associated with microtubules in unstimulated cells but is translocated to the membrane ruffles in cells stimulated ith EGF (epidermal growth factor).,

Subcellular Location : Cytoplasm, cytoskeleton. Cell projection, ruffle membrane. Associated with microtubules in unstimulated cells but is translocated to the membrane ruffles in cells stimulated ith EGF (epidermal growth factor).

Expression : Brain, Muscle, Skin,

Products Images



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4° over night