

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)
Human Gene Id :	10253
Human Swiss Prot No :	O43597
Mouse Swiss Prot No :	Q9QXV8
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/mitogen-activated 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

