



# SPY2 Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-07838
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	SPRY2
<b>Protein Name</b>	Protein sprouty homolog 2 (Spry-2)
<b>Immunogen</b>	Synthesized peptide derived from part region of human protein
<b>Specificity</b>	SPY2 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	34kD
<b>Cell Pathway</b>	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). .
<b>Tissue Specificity</b>	Brain,Muscle,Skin,
<b>Function</b>	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).,
<b>Background</b>	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

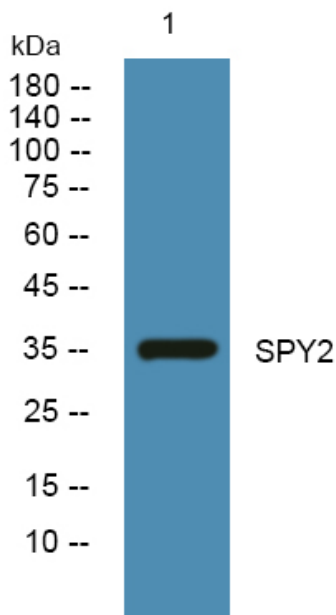
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**



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