



Rabbit Anti-Human SPRY2 Polyclonal Antibody (CABT-L2253)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Sprouty Homolog 2 (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against SPRY2. It has been selected for its ability to recognize SPRY2 in immunohistochemical staining and western blotting.
Target	SPRY2
Immunogen	Recombinant fragment corresponding to human SPRY2 (Ser116~Thr305)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	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 2008]
Keywords	SPRY2

GENE INFORMATION

Gene Name	SPRY2 sprouty homolog 2 (Drosophila) [Homo sapiens (human)]
Official Symbol	SPRY2
Synonyms	SPRY2; sprouty homolog 2 (Drosophila); hSPRY2; protein sprouty homolog 2; spry-2; sprouty 2;
Entrez Gene ID	10253
Protein Refseq	NP_005833
UniProt ID	O43597
Chromosome Location	13q31.1
Pathway	Disease; EGFR downregulation; EGFR1 Signaling Pathway; FGF signaling pathway; Internalization of ErbB1; Jak-STAT signaling pathway; MicroRNAs in cancer; Negative regulation of FGFR signaling;
Function	protein binding; protein kinase binding; protein serine/threonine kinase activator activity; protein serine/threonine kinase inhibitor activity;