

Rabbit SPRY2 Polyclonal Antibody | anti-SPRY2 antibody

SPRY2 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200097	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat	Immunohistochemistry, Western Blot

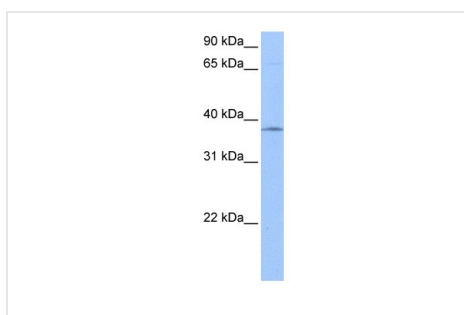
PRODUCT SYNONYMS

SPRY2; Polyclonal Antibody; SPRY2 antibody - N-terminal region; anti-SPRY2 antibody

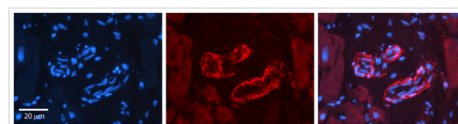
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: ME ARAQSGNGSQ PLLQTPRDGG RQRGEPDPRD ALTQQVHVLS LDQIRAIR
Sequence Length	315
Applicable Applications for anti-SPRY2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 93%; Dog: 100%; Guinea Pig: 92%; Horse: 93%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 86%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human SPRY2
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-SPRY2 Antibody Titration: 0.2-1 ug/ml
Positive Control: HepG2 cell lysate


IHC (Immunohistochemistry)

Rabbit Anti-SPRY2 Antibody
Formalin Fixed Paraffin Embedded Tissue: Human heart Tissue
Observed Staining: Cytoplasmic in vasculature
Primary Antibody Concentration: 1:100
Other Working Concentrations: 1:600
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-SPRY2 antibody	This is a rabbit polyclonal antibody against SPRY2. It was validated on Western Blot using a cell lysate as a positive control. Target Description: SPRY2 is a protein belonging to the sprouty family. It 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. SPRY2 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. SPRY2 may play a role in alveoli branching during lung development as shown by a similar mouse protein. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-SPRY2 antibody	Polyclonal; Developmental Biology; Signal Transduction; Various; Membrane & Traffic; Phosphorylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	5032115
NCBI GeneID	10253
NCBI Accession #	NP_005833
NCBI GenBank Nucleotide #	NM_005842
UniProt Accession #	O43597
Molecular Weight	35kDa
NCBI Official Full Name	protein sprouty homolog 2
NCBI Official Synonym Full Names	sprouty RTK signaling antagonist 2
NCBI Official Symbol	SPRY2
NCBI Official Synonym Symbols	IGAN3; hSPRY2
NCBI Protein Information	protein sprouty homolog 2
UniProt Protein Name	Protein sprouty homolog 2
UniProt Gene Name	SPRY2
UniProt Synonym Gene Names	Spry-2
UniProt Entry Name	SPY2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.