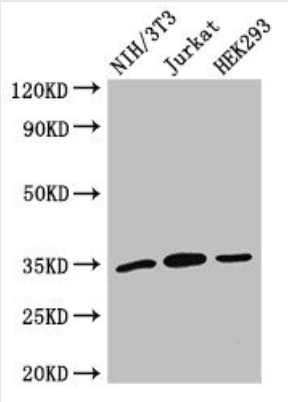
SPRY2 Antibody – Rabbit Polyclonal

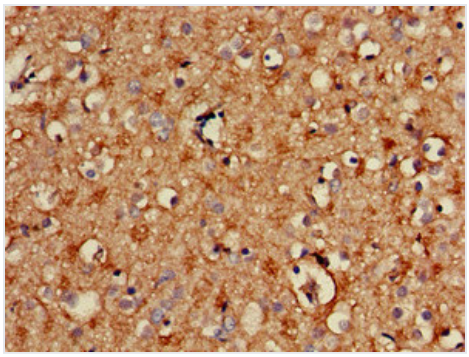
PRODUCT OVERVIEW

Product Name	SPRY2, Polyclonal Antibody
Full Product Name	SPRY2 Antibody
Product Gene Name	anti-SPRY2 antibody
Product Synonym Names	Protein sprouty homolog 2; Spry-2; SPRY2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: SPRY2 (MBS7049220) HRP Conjugated Antibody: SPRY2 (MBS7049221)
Matching Pairs	Unconjugated Antibody: SPRY2 (MBS7049220) FITC Conjugated Antibody: SPRY2 (MBS7049222)
Matching Pairs	Unconjugated Antibody: SPRY2 (MBS7049220) Biotin Conjugated Antibody: SPRY2 (MBS7049223)
Molecular Weight	34,688 Da
OMIM	AF039843 mRNA
3D Structure	ModBase 3D Structure for O43597
Immunogen	Recombinant Human Protein sprouty homolog 2 protein (2-97AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
Conjugation	Non-conjugated
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-18600 / sc-30049 / sc-30049
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SPRY2 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-SPRY2 antibody	WB: 1: 500-1: 5000 IHC: 1: 20-1: 200 IF: 1: 50-1: 200
Related Product Information for anti-SPRY2 antibody	May function as an antagonist of fibroblast growth factor (FGF) pathways and may negatively modulate respiratory organogenesis.
Other Notes	Small volumes of anti-SPRY2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

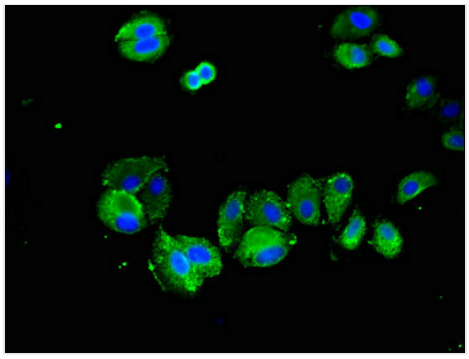
Searchable Terms for SPRY2 purchase	MBS7049220 is an antibody targeting SPRY2. Also known as SPRY2 Antibody. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-SPRY2 antibody
Western BlotPositive WB detected in: NIH/3T3 whole cell lysate,Jurkat whole cell lysate,HEK293 whole cell lysateAll lanes: SPRY2 antibody at 2.7ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 35 KDaObserved band size: 35 KDa



Immunohistochemistry (IHC) of anti-SPRY2 antibody
Immunohistochemistry of paraffin-embedded human brain tissue using MBS7049220 at dilution of 1:100



Immunohistochemistry (IHC) of anti-SPRY2 antibody
Immunofluorescent analysis of HepG2 cells using MBS7049220 at a dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SPRY2. It may not necessarily be applicable to this product.

NCBI GI #	972776612
NCBI GeneID	10253
NCBI Accession #	NP_001305465.1
UniProt Primary Accession #	O43597
UniProt Secondary Accession #	Q5T6Z7; B2R9J9
UniProt Related Accession #	O43597
GenBank Nucleotide #	NM_001318536.1
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
UniProt Protein Name	Protein sprouty homolog 2

Protein Family	Protein sprouty
UniProt Gene Name	SPRY2
UniProt Synonym Gene Names	Spry-2
UniProt Entry Name	SPY2_HUMAN
NCBI Protein Information	protein sprouty homolog 2
NCBI Summary for SPRY2	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]
UniProt Comments for SPRY2	SPRY2: a feedback inhibitor of growth factor receptor signaling. Belongs to the sprouty family. May function as an antagonist of fibroblast growth factor (FGF) pathways and may negatively modulate respiratory organogenesis. Associated with microtubules in unstimulated cells but is translocated to the membrane ruffles in cells stimulated with EGF (epidermal growth factor). Protein type: Adaptor/scaffold; Inhibitor; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 13q31.1 Cellular Component: cytoskeleton; cytosol; membrane; nucleus; plasma membrane Molecular Function: protein binding; protein kinase binding; protein serine/threonine kinase activator activity; protein serine/threonine kinase inhibitor activity Biological Process: negative regulation of apoptosis; negative regulation of cell projection organization and biogenesis; negative regulation of epidermal growth factor receptor signaling pathway; positive regulation of peptidyl-serine phosphorylation; positive regulation of protein kinase B signaling cascade Disease: Iga Nephropathy, Susceptibility To, 3
Research Articles on SPRY2	**1.** miR27b promotes the migration and invasion of gastric cancer cells via inhibition of SPRY2mediated ERK signaling.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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