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Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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SPRY2 monoclonal antibody (M01), clone 1E10

產品編號 #: H00010253-M01

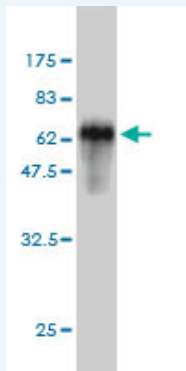
規格 : [100 ug]

List All

Specification

Product Description:	Mouse monoclonal antibody raised against a full length recombinant SPRY2.
Immunogen:	SPRY2 (AAH15745.1, 1 a.a. ~ 315 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MEARAQSGNGSQPLLQTPRDGGRQRGEPDPRDALTQQVHVLSDLQIR AIRNTNEYTEGPTVWPRPGLKPAPRPSTQHKHERLHGLPEHRQPPRLQH SQVHSSARAPLSRSISTVSSGSRSTRSTSSSSSEQRLLGSSFSSGPV ADGIIRVQPKSELKPGELKPLSKEDLGLHAYRCEDCGKCKCKECTYPRPL PSDWICKQCLCSAQNIDYGTCCVCKGLFYHCSNDDDEDNCADNPCS CSQSHCCTRWSAMGVMSLFLPCLWCYLPAKGCLKCQGCYDRVNRPG CRCKNSNTVCKVPTVPPRNFEKPT
Host:	Mouse
Reactivity:	Human
Isotype:	IgG1 Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (60.39 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS: [Download](#)

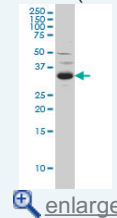
Datasheet: [Download](#)

Publication Reference

1. SPROUTY2 is a β -catenin and FOXO3a target gene indicative of poor prognosis in colon cancer.
Ordonez-Moran P, Irmisch A, Barbachano A, Chicote I, Tenbaum S, Landolfi S, Tabernero J, Huelsken J, Munoz A, Palmer HGOncogene. 2013 Apr 29. doi: 10.1038/onc.2013.140.
2. Initial Report on Differential Expression of Sprouty Proteins 1 and 2 in Human Epithelial

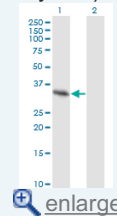
Application Image

Western Blot (Cell lysate)



[enlarge](#)

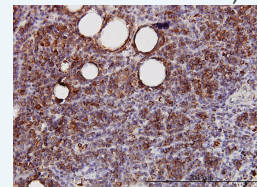
Western Blot (Transfected lysate)



[enlarge](#)

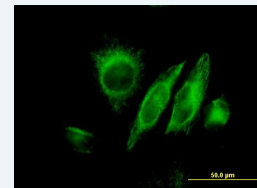
Western Blot (Recombinant protein)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)



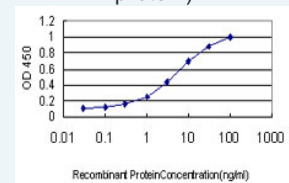
[enlarge](#)

Immunofluorescence



[enlarge](#)

Sandwich ELISA (Recombinant protein)



[enlarge](#)

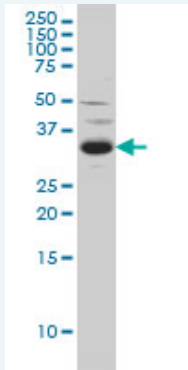
ELISA

3. SPROUTY-2 and E-cadherin regulate reciprocally and dictate colon cancer cell tumorigenicity.

Barbachano A, Ordonez-Moran P, Garcia JM, Sanchez A, Pereira F, Larriba MJ, Martinez N, Hernandez J, Landolfi S, Bonilla F, Palmer HG, Rojas JM, Munoz A. Oncogene. 2010 Jun 14. [Epub ahead of print]

Applications

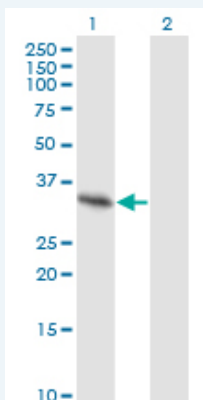
Western Blot (Cell lysate)



SPRY2 monoclonal antibody (M01), clone 1E10 Western Blot analysis of SPRY2 expression in C32 (Cat # L002V1).

 [Protocol Download](#)


Western Blot (Transfected lysate)



Western Blot analysis of SPRY2 expression in transfected 293T cell line by SPRY2 monoclonal antibody (M01), clone 1E10.

Lane 1: SPRY2 transfected lysate(34.7 KDa).

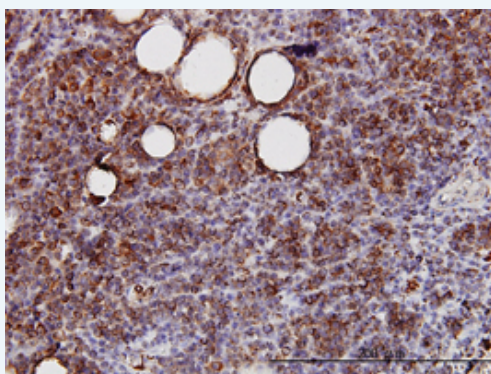
Lane 2: Non-transfected lysate.

 [Protocol Download](#)

Western Blot (Recombinant protein)

 [Protocol Download](#)

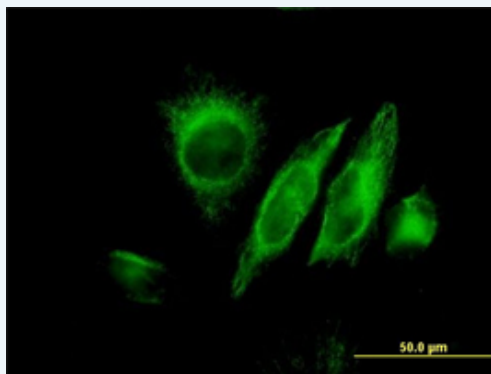
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)



 [enlarge this image](#)

Immunoperoxidase of monoclonal antibody to SPRY2 on formalin-fixed paraffin-embedded

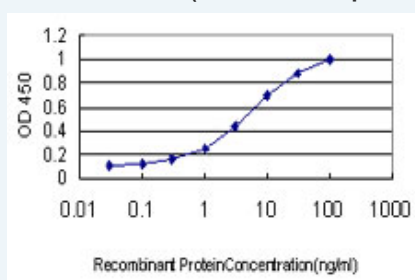
Immunofluorescence



 [enlarge this image](#)

Immunofluorescence of monoclonal antibody to SPRY2 on HeLa cell. [antibody concentration 25 ug/ml]

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged SPRY2 is approximately 0.1ng/ml as a capture antibody.

ELISA

Gene Information

Entrez GeneID: [10253](#)

GeneBank [BC015745](#)
Accession#:

Protein [AAH15745.1](#)
Accession#:

Gene Name: SPRY2

Gene Alias: MGC23039,hSPRY2

Gene Description: sprouty homolog 2 (Drosophila)

Omim ID: [602466](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: 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]

Other Designations: OTTHUMP00000018543,OTTHUMP00000018544,sprouty 2

Gene Pathway

[Jak-STAT signaling pathway](#)

Related Disease

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[Kidney Failure, Chronic](#) [Neurofibromatosis](#) [Neurofibromatosis 1](#) [Syndrome](#)

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