antibodies

## Datasheet for ABIN2732614 SPRY2 Protein (Myc-DYKDDDDK Tag)





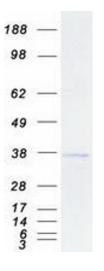
## Overview

Quantity:	20 µg
Target:	SPRY2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPRY2 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)
Product Details	
Characteristics:	<ul> <li>Recombinant human Sprouty homolog 2 / SPRY2 protein expressed in HEK293 cells.</li> <li>Produced with end-sequenced ORF clone</li> </ul>
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining
Target Details	
Target:	SPRY2
Alternative Name:	Sprouty Homolog 2,spry2 (SPRY2 Products)
Background:	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

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## Target Details

	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.
Molecular Weight:	34.5 kDa
NCBI Accession:	NP_005833
Pathways:	EGFR Signaling Pathway, Sensory Perception of Sound, EGFR Downregulation
Application Details	
Application Notes:	Recombinant human proteins can be used for:
	Native antigens for optimized antibody production
	Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only
Handling	
Concentration:	50 μg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze
	immediately. Only 2-3 freeze thaw cycles are recommended.



Western Blotting

Image 1. Validation with Western Blot

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