SPRED1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SPRED1, Polyclonal Antibody
Full Product Name	SPRED1 (SPRED1, Sprouty-related, EVH1 domain-containing protein 1) (MaxLight 405)
Product Gene Name	anti-SPRED1 antibody
Product Synonym Names	SPRED1; Sprouty-related; EVH1 domain-containing protein 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	50,477 Da
OMIM	609291
3D Structure	ModBase 3D Structure for Q7Z699
Immunogen	SPRED1 antibody is generated from rabbits immunized with human SPRED1 recombinant protein.
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-SPRED1 antibody	Antibodies; Sprouty
Applications Tested/Suitable for anti-SPRED1 antibody	Flow Cytometry (FC/FACS), FLISA, Western Blot (WB)
Application Notes for anti-SPRED1 antibody	FC/FACS: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-SPRED1 antibody	SPRED1 is a tyrosine kinase substrate that inhibits growth-factor-mediated activation of MAP kinase.
Product References and Citations for anti-SPRED1 antibody	Brems, H., Nat. Genet. 39 (9), 1120-1126 (2007). Szafranski, K., Genome Biol. 8 (8), R154 (2007). Yoshida, T., Oncogene 25 (45), 6056-6066 (2006). King, J.A., Biochem. J. 388 (PT 2), 445-454 (2005).
Other Notes	Small volumes of anti-SPRED1 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 SPRED1 purchase	MBS6350767 is an antibody targeting SPRED1. Also known as SPRED1 (SPRED1, Sprouty-related, EVH1 domain-containing protein 1) (MaxLight 405). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SPRED1. It may not necessarily be applicable to this product.

NCBI GI #	22749221
NCBI GeneID	161742
NCBI Accession #	NP_689807.1
UniProt Primary Accession #	Q7Z699
UniProt Secondary Accession #	Q05D53; Q8N256; B2RPJ8
UniProt Related Accession #	Q7Z699
GenBank Nucleotide #	NM_152594.2
NCBI Official Full Name	sprouty-related, EVH1 domain-containing protein 1
NCBI Official Synonym Full Names	sprouty related, EVH1 domain containing 1
NCBI Official Symbol	SPRED1
NCBI Official Synonym Symbols	NFLS; hSpred1; spred-1; PPP1R147
UniProt Protein Name	Sprouty-related, EVH1 domain-containing protein 1
Protein Family	Sprouty-related, EVH1 domain-containing protein
UniProt Gene Name	SPRED1
UniProt Synonym Gene Names	Spred-1; hSpred1
UniProt Entry Name	SPRE1_HUMAN
NCBI Protein Information	sprouty-related, EVH1 domain-containing protein 1
UniProt Comments for SPRED1	SPRED1: Tyrosine kinase substrate that inhibits growth-factor- mediated activation of MAP kinase. Negatively regulates hematopoiesis of bone marrow. Defects in SPRED1 are the cause of neurofibromatosis type 1-like syndrome (NFLS). It is a disorder characterized mainly by cafe au lait macules without neurofibromas or other tumor manifestations of neurofibromatosis type 1, axillary freckling, and macrocephaly. Additional clinical manifestations include Noonan-like facial dysmorphism, lipomas, learning disabilities and attention deficit-hyperactivity. Protein type: Inhibitor Chromosomal Location of Human Ortholog: 15q14 Cellular Component: cytoplasm; cytosol; nucleoplasm; plasma membrane Molecular Function: phosphatase binding; protein binding; protein kinase binding; protein serine/threonine kinase inhibitor activity; stem cell factor receptor binding Biological Process: fibroblast growth factor receptor signaling pathway; inactivation of MAPK activity; MAPKKK cascade; positive regulation of DNA damage response, signal transduction by p53 class mediator Disease: Legius Syndrome
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