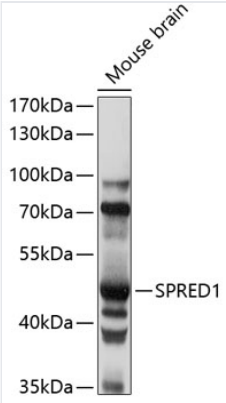
SPRED1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SPRED1, Polyclonal Antibody
Full Product Name	SPRED1 Polyclonal Antibody
Product Gene Name	anti-SPRED1 antibody
Product Synonym Names	SPRED1; NFLS; PPP1R147; hSpred1; spred-1; sprouty related EVH1 domain containing 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	PBS with 50% glycerol, pH7.4
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	50,477 Da
OMIM	609291
3D Structure	ModBase 3D Structure for Q7Z699
Immunogen	Recombinant fusion protein of human SPRED1 (NP_689807.1).
Conjugation	Unconjugated
Product Categories/Family for anti-SPRED1 antibody	Total protein Ab
Applications Tested/Suitable for anti-SPRED1 antibody	Western Blot (WB)
Application Notes for anti-SPRED1 antibody	WB: 1:500-1:2000
Related Product Information for anti-SPRED1 antibody	The protein encoded by this gene is a member of the Sprouty family of proteins and is phosphorylated by tyrosine kinase in response to several growth factors. The encoded protein can act as a homodimer or as a heterodimer with SPRED2 to regulate activation of the MAP kinase cascade. Defects in this gene are a cause of neurofibromatosis type 1-like syndrome (NFLS).
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	MBS9432379 is an antibody targeting SPRED1. Also known as SPRED1 Polyclonal Antibody. Reactive in Mouse. Host: Rabbit.



Western Blot (WB) of anti-SPRED1 antibody
Western blot analysis of extracts of mouse brain, using SPRED1 antibody.

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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Online datasheet: https://www.mybiosource.com/polyclonal-mouse-antibody/spred1/9432379