SPRED1 blocking peptide (CDBP6182)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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). [provided by RefSeq, Jul 2008]
Immunogen	14 amino acids near the center of human Spred1.
Nature	Synthetic
Expression System	N/A
Species Reactivity	Rat, human, mouse
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Procedure	None
Format	Liquid
Concentration	200 μg/mL
Size	0.05mg
Preservative	None
Storage	-20°C

ANTIGEN GENE INFORMATION

Gene Name	SPRED1 sprouty-related, EVH1 domain containing 1 [Homo sapiens (human)]
Official Symbol	SPRED1
Synonyms	SPRED1; sprouty-related, EVH1 domain containing 1; NFLS; hSpred1; spred-1; PPP1R147; sprouty-related, EVH1 domain-containing protein 1; suppressor of Ras/MAPK activation; protein phosphatase 1, regulatory subunit 147

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Entrez Gene ID	161742
mRNA Refseq	NM_152594
Protein Refseq	NP_689807
UniProt ID	Q7Z699
Pathway	Jak-STAT signaling pathway; Kit Receptor Signaling Pathway; Regulation of Microtubule Cytoskeleton; Signaling events mediated by Stem cell factor receptor (c-Kit)
Function	phosphatase binding; protein binding; protein kinase binding; protein serine/threonine kinase inhibitor activity; stem cell factor receptor binding