SPRE1 Monoclonal Antibody

Catalog No	YP-mAb-07258
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	SPRED1
Protein Name	Sprouty-related, EVH1 domain-containing protein 1 (Spred-1) (hSpred1)
Immunogen	Synthesized peptide derived from human protein . at AA range: 210-290
Specificity	SPRE1 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	48kD
Cell Pathway	Cell membrane ; Peripheral membrane protein . Membrane, caveola ; Peripheral membrane protein . Nucleus . Localized in cholesterol-rich membrane raft/caveola fractions.
Tissue Specificity	Weakly expressed in embryonic cell line HEK293.
Function	disease:Defects in SPRED1 are the cause of neurofibromatosis type 1-like syndrome (NFLS) [MIM:611431]. Neurofibromatosis type 1 (NF1) is one of the most frequent autosomal dominant diseases. It belongs to the group of disorders known as the 'neuro-cardio-facial-cutaneous' syndromes, present with a variable degree of cognitive impairment, facial dysmorphism, congenital heart defects and skin abnormalities. NFLS is a form of these disorders with autosomal dominant trait consisting of multiple cafe-au-lait spots, axillary freckling, macrocephaly and a Noonan-like dysmorphy in some individuals.,function:Tyrosine kinase substrate that inhibits growth-factor-mediated activation of MAP kinase. Negatively regulates hematopoiesis of bone marrow.,PTM:Phosphorylated on tyrosine.,sequence caution:Contaminating sequence. Potential poly-A sequence.,similarity:Contains 1 KBD domain.,similarity:Contains
Background	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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images