Immunoway
Best Tools for immunology Research

SPRE1 Polyclonal Antibody

Catalog No :	YN2399
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	SPRE1
Gene Name :	SPRED1
Protein Name :	Sprouty-related, EVH1 domain-containing protein 1 (Spred-1) (hSpred1)
Human Gene Id :	161742
Human Swiss Prot No :	Q7Z699
Mouse Swiss Prot No :	Q924S8
Immunogen :	Synthesized peptide derived from human protein . at AA range: 210-290
Specificity :	SPRE1 Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	48kD

Cell Pathway : Jak_STAT;

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],

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

Subcellular Location : Cell membrane ; Peripheral membrane protein . Membrane, caveola ; Peripheral membrane protein . Nucleus . Localized in cholesterol-rich membrane raft/caveola fractions.

Expression : Weakly expressed in embryonic cell line HEK293.

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