

Rabbit Anti-SPRED2/Cy5.5 Conjugated antibody

SL17686R-Cy5. 5

Product Name	Anti-SPRED2/Cy5.5
Chinese Name	Cy5.5 标记的 SPRED2 蛋白抗体
Alias	C79158; FLJ21897; FLJ31917; SPRE2_HUMAN; MGC163164; Spred 2; Sprouty protein with EVH 1 domain 2 related sequence; sprouty related EVH1 domain containing 2; Sprouty related protein with EVH 1 domain 2; zgc:77284.
Research Area	Cell biology Signal transduction Kinases and Phosphatases G protein signal
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Mouse,Rat(predicted:Human,Dog,Pig,Cow,Rabbit,Sheep) IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	47kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human SPRED2
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	background: SPRED2 is a member of the Sprouty (see SPRY1; MIM 602465)/SPRED family of proteins that regulate growth factor-induced activation of the MAP kinase cascade (see MAPK1; MIM 176948) (Nonami et al., 2004 [PubMed

15465815)].[supplied by OMIM, Mar 2008]

Function:

Tyrosine kinase substrate that inhibits growth-factor-mediated activation of MAP kinase.

Subunit:

Interacts with Ras (By similarity). Homodimer and heterodimer. Able to interact with SPRED1 to form heterodimers.

Subcellular Location:

Cell Membrane - peripheral membrane protein and Cytoplasmic.

Tissue Specificity:

Expressed in liver, skin, small intestine, salivary gland and prostate.

Post-translational modifications:

Phosphorylated on tyrosine. Phosphorylation of Tyr-228 and Tyr-231 are required for ubiquitination.

Ubiquitinated; leading to degradation by the proteasome.

Similarity:

Contains 1 KBD domain.

Contains 1 SPR (sprouty) domain.

Contains 1 WH1 domain.

Database links:

[Entrez Gene: 200734](#) Human

[Entrez Gene: 114716](#) Mouse

[Entrez Gene: 305539](#) Rat

[Omim: 609292](#) Human

[SwissProt: Q7Z698](#) Human

[SwissProt: Q924S7](#) Mouse

[SwissProt: Q3C2P8](#) Rat

[Unigene: 59332](#) Human



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