



## Rabbit Anti-Sprouty 4 antibody

SL7421R

<b>Product Name:</b>	Sprouty 4
<b>Chinese Name:</b>	快速发育生长因子同源蛋白4抗体
<b>Alias:</b>	Protein sprouty homolog 4; Sprouty homolog 4; sprouty homolog 4 (Drosophila); SPRY 4; Spry-4; Spry4; SPY4_HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Cow,Horse,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	33kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Sprouty 4:1-100/299
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	SPRY4 is an inhibitor of the receptor-transduced mitogen-activated protein kinase (MAPK) signaling pathway. It is positioned upstream of RAS (see HRAS; MIM 190020) activation and impairs the formation of active GTP-RAS (Leeksa et al., 2002 [PubMed 12027893]).[supplied by OMIM, Mar 2008]  <b>Function:</b>

Suppresses the insulin receptor and EGFR-transduced MAPK signaling pathway, but does not inhibit MAPK activation by a constitutively active mutant Ras. Probably impairs the formation of GTP-Ras.

**Subcellular Location:**

Cytoplasm. Cell projection > ruffle membrane.

**Similarity:**

Belongs to the sprouty family.

Contains 1 SPR (sprouty) domain.

**SWISS:**

Q9C004

**Gene ID:**

81848

**Database links:**

[Entrez Gene: 81848](#) Human

[Entrez Gene: 504593](#) Cow

[Entrez Gene: 24066](#) Mouse

[Omim: 607984](#) Human

[SwissProt: A2VDU1](#) Cow

[SwissProt: Q9C004](#) Human

[SwissProt: Q9WTP2](#) Mouse

[Unigene: 323308](#) Human

[Unigene: 42038](#) Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.