

Rabbit Prouty 4 Polyclonal Antibody | anti-SPRY4 antibody

Prouty 4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327179	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

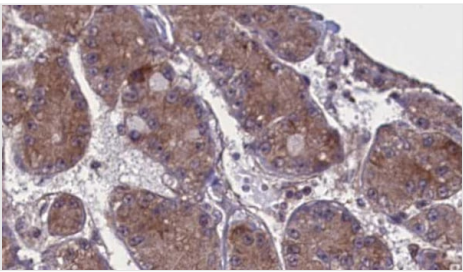
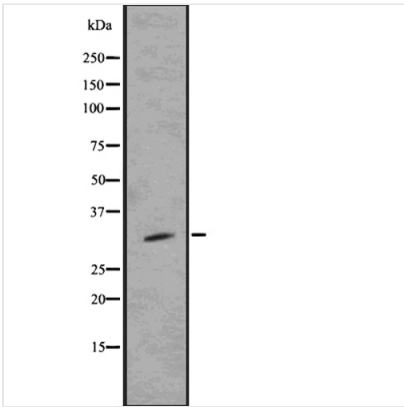
PRODUCT SYNONYMS

Prouty 4; Polyclonal Antibody; Prouty 4 Antibody; Protein sprouty homolog 4; Sprouty homolog 4; sprouty homolog 4 (Drosophila); SPRY 4; Spry-4; Spry4; SPY4_HUMAN; anti-SPRY4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	prouty 4 antibody detects endogenous levels of total prouty 4
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	299
Applicable Applications for anti-SPRY4 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human prouty 4
Subcellular Location	Cytoplasm. Cell Projection > Ruffle Membrane.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (88%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (88%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327179 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of prouty 4 using K562 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-SPRY4 antibody	Function: 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. Inhibits Ras-independent, but not Ras-dependent, activation of RAF1. Subunit Structure: Interacts with the C-terminus of TESK1. Interacts with RAF1. Similarity: The Cys-rich domain is responsible for the localization of the protein to the membrane ruffles. Belongs to the sprouty family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	188595697
NCBI GeneID	81848
NCBI Accession #	NP_001120968.1
NCBI GenBank Nucleotide #	NM_001127496.1
UniProt Accession #	Q9C004; Q6QIX2; Q9C003; A4FVB2; A4FVB3
Molecular Weight	Observed: 33 kDa Predicted: 33 kDa
NCBI Official Full Name	protein sprouty homolog 4 isoform 2
NCBI Official Synonym Full Names	sprouty RTK signaling antagonist 4
NCBI Official Symbol	SPRY4
NCBI Official Synonym Symbols	HH17
NCBI Protein Information	protein sprouty homolog 4
UniProt Protein Name	Protein sprouty homolog 4
UniProt Gene Name	SPRY4
UniProt Synonym Gene Names	Spry-4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.