

Rabbit SPRED2 Polyclonal Antibody | anti-SPRED2 antibody

SPRED2 Antibody

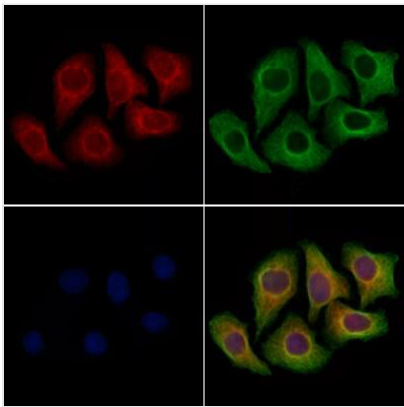
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329181	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(88%), Chicken(88%), Xenopus(88%)	ELISA

PRODUCT SYNONYMS

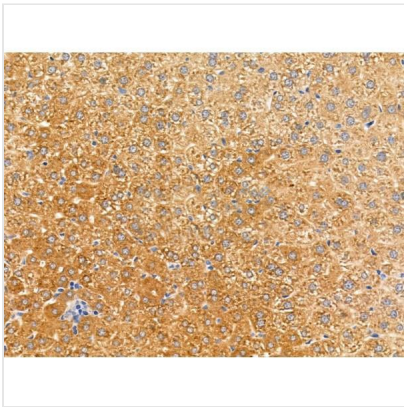
SPRED2; Polyclonal Antibody; SPRED2 Antibody; C79158; FLJ21897; FLJ31917; MGC163164; Spred 2; Sprouty protein with EVH 1 domain 2 related sequence; sprouty related EVH1 domain containing 2; Sprouty related protein with EVH 1 domain 2; zgc:77284; anti-SPRED2 antibody

PRODUCT SPECIFICATIONS

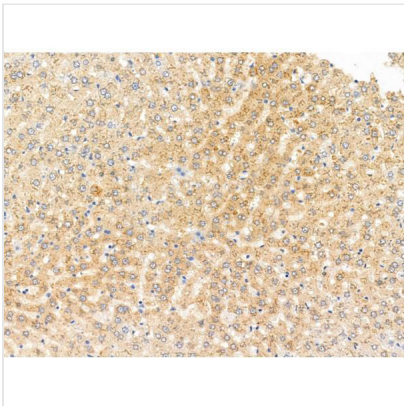
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(88%), Chicken(88%), Xenopus(88%)
Clonality	Polyclonal
Isotype	IgG
Specificity	SPRED2 Antibody detects endogenous levels of total SPRED2.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	418
Applicable Applications for anti-SPRED2 antibody	ELISA
Immunogen	A synthesized peptide derived from human SPRED2, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



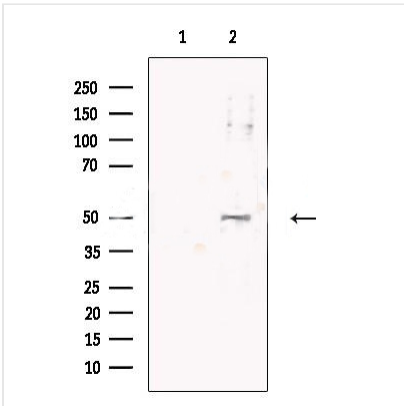
IF (Immunofluorescence)
AAA329181 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA329181 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



IHC (Immunohistochemistry)
AAA329181 at 1/100 staining Mouse liver 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 primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
AAA329181 at 1/100 staining Rat liver 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 primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from 293T, using SPRED2 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-SPRED2 antibody	Function: Negatively regulates Ras signaling pathways and downstream activation of MAP kinases. Post Translational Modifications: Phosphorylated on serine and threonine residues (PubMed:15683364). Phosphorylated on tyrosine. Phosphorylation of Tyr-228 and Tyr-231 are required for ubiquitination (PubMed:17094949). Ubiquitinated; leading to degradation by the proteasome. Subcellular Location: Cell membrane>Peripheral membrane protein>Cytoplasmic side. Cytoplasmic vesicle>Secretory vesicle membrane>Peripheral membrane protein>Cytoplasmic side. Cytoplasm. Note: Detected in the cytoplasm of the stratum spinosum cells, where it is associated with cytoplasmic vesicles that are supposed to be secretory granules. Tissue Specificity: Expressed in liver, skin, small intestine, salivary gland and prostate. Subunit Structure: Homodimer and heterodimer. Able to interact with SPRED1 to form heterodimers (PubMed:15683364). Interacts with Ras (By similarity). May interact with ZDHHC13 (via ANK repeats) and ZDHHC17 (via ANK repeats) (By similarity).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	189571669
NCBI GeneID	200734
NCBI Accession #	NP_861449
NCBI GenBank Nucleotide #	NP_861449.2
UniProt Accession #	Q7Z698
Molecular Weight	Observed Molecular Weight: (Observed)47kD. Predicted Molecular Weight: (Calculated)48kDa.
NCBI Official Full Name	sprouty-related, EVH1 domain-containing protein 2 isoform a
NCBI Official Synonym Full Names	sprouty related EVH1 domain containing 2
NCBI Official Symbol	SPRED2
NCBI Official Synonym Symbols	Spred-2
NCBI Protein Information	sprouty-related, EVH1 domain-containing protein 2
UniProt Protein Name	Sprouty-related, EVH1 domain-containing protein 2
UniProt Gene Name	SPRED2
UniProt Synonym Gene Names	Spred-2
UniProt Entry Name	SPRE2_HUMAN

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/spred2-antibody-elisa/329181>