

Product Datasheet

SPRY4 Antibody - BSA Free

NB100-2032

Unit Size: 0.1 mg

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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NB100-2032

SPRY4 Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

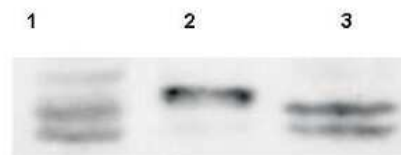
Product Description	
Description	This affinity purified antibody is directed against human SPRY4 protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.
Host	Rabbit
Gene ID	81848
Gene Symbol	SPRY4
Species	Human, Mouse
Reactivity Notes	A BLAST analysis was used to suggest reactivity with this protein from human and chimpanzee based on 100% homology for the immunogen sequence. Cross reactivity is expected with SPRY4.
Immunogen	This affinity purified SPRY4 Antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a C-Terminal region near amino acids 275-299 of Human SPRY4 protein. (Uniprot: Q9C004)

Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:100-1:1000, ELISA 1:3000-1:12000, Immunohistochemistry 1 ug/ml-10 ug/ml, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 2.5mg/ml
Application Notes	This affinity purified antibody has been tested for use in ELISA, immunohistochemistry and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band (maybe a doublet) ~35 kDa in size corresponding to Sprouty-4 by western blotting in the appropriate cell lysate or extract. Some non-specific banding may be observed using this antibody.

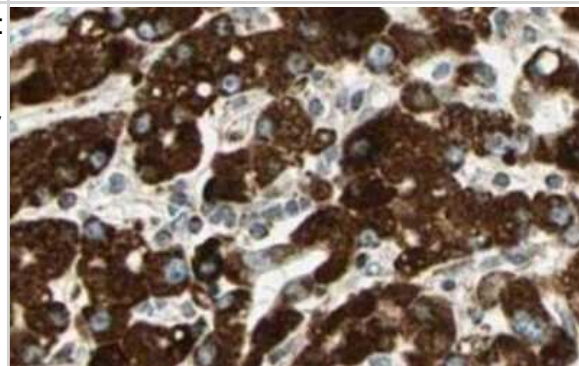


Images

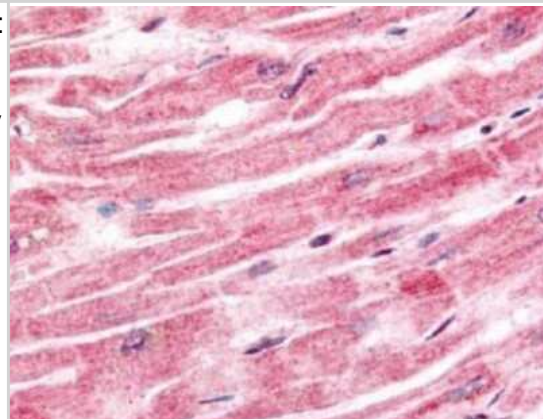
Western Blot: SPRY4 Antibody [NB100-2032] - Lane 1: HeLa. Lane 2: SW13. Lane 3: C2C12. Load: 30 ug per lane. Primary antibody: Sprouty 4 antibody at 1:100 for overnight at 4C. Secondary antibody: IRDye800 rabbit secondary antibody at 1:5,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4C. Predicted/Observed size: a doublet band 35 kDa corresponding to human Sprouty-4. Other band(s): none.



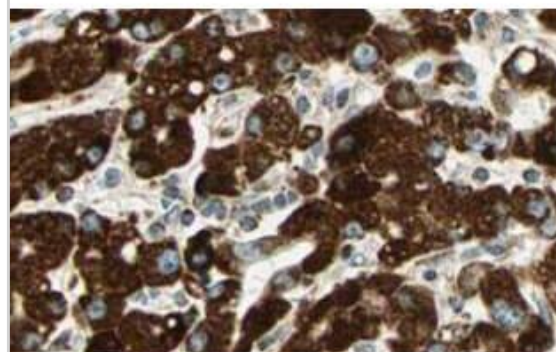
Immunohistochemistry-Paraffin: SPRY4 Antibody [NB100-2032] - Tissue: human liver tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: Sprouty-4 antibody at 2.5ug/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: Sprouty-4 is cytoplasmic. Staining: Sprouty-4 as precipitated brown with blue nuclear counterstain.



Immunohistochemistry-Paraffin: SPRY4 Antibody [NB100-2032] - Tissue: human heart tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: Sprouty-4 antibody at 2.5ug/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: Sprouty-4 is cytoplasmic. Staining: Sprouty-4 as precipitated red signal with hematoxylin purple nuclear counterstain.



Immunohistochemistry of Rabbit anti-Sprouty-4 antibody. Tissue: human liver tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: Sprouty-4 antibody at 2.5 ug/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: Sprouty-4 is cytoplasmic. Staining: Sprouty-4 as precipitated brown with blue nuclear counterstain.





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Products Related to NB100-2032

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-22822	Recombinant Human SPRY4 His Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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