

Product Datasheet

SorCS1 Antibody - BSA Free

NBP1-86096

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-86096

SorCS1 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

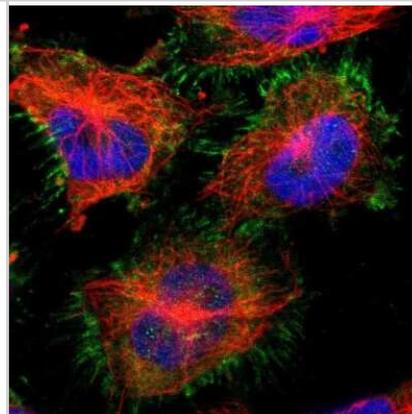
Product Description	
Description	Novus Biologicals Knockout (KO) Validated Rabbit SorCS1 Antibody - BSA Free (NBP1-86096) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-SorCS1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	114815
Gene Symbol	SORCS1
Species	Human
Reactivity Notes	Mouse (87%), Rat (88%).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: EWRRDIGRVIKKSLVEATGVPGQHILVAVLPLPTTAELFVLPYQDPAGENKRS TDDLEQISELLIHTLNQNSVHFELKPGVRVLVHAAHLTAAPLVDLT

Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Knockdown Validated
Recommended Dilutions	Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500, Knockdown Validated
Application Notes	IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

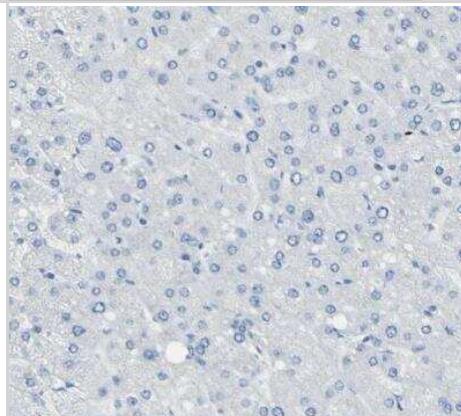


Images

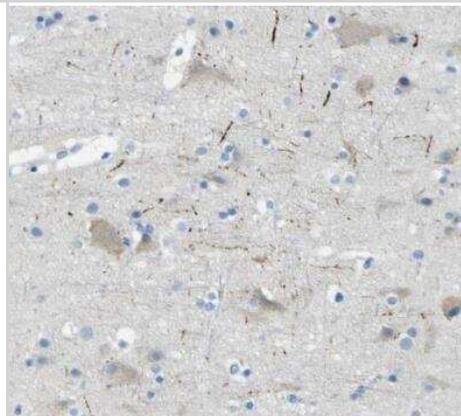
Immunocytochemistry/Immunofluorescence: SorCS1 Antibody [NBP1-86096] - Staining of human cell line U-251 MG shows localization to plasma membrane & cytosol. Antibody staining is shown in green.



Immunohistochemistry-Paraffin: SorCS1 Antibody [NBP1-86096] - Staining of human liver shows no positivity in hepatocytes as expected.



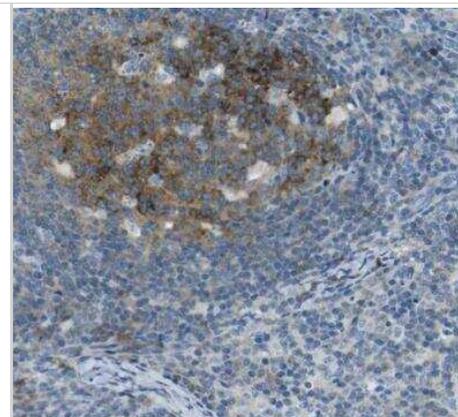
Immunohistochemistry-Paraffin: SorCS1 Antibody [NBP1-86096] - Staining of human cerebral cortex shows moderate positivity in neuronal processes.



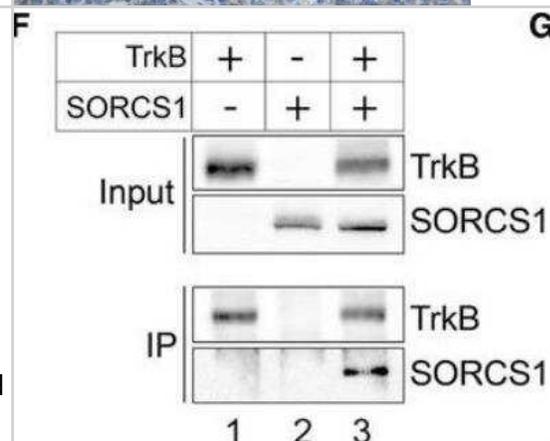
Immunohistochemistry-Paraffin: SorCS1 Antibody [NBP1-86096] - Staining of human small intestine shows strong positivity in apical membrane in glandular cells.



Immunohistochemistry-Paraffin: SorCS1 Antibody [NBP1-86096] - Staining of human lymph node shows moderate membranous positivity in germinal center cells.



Western Blot: SorCS1 Antibody [NBP1-86096] - Altered subcellular localization of TrkB in primary neurons and brains from S1/3 KO mice. Co-immunoprecipitation of SorCS1 with TrkB. TrkB was immunoprecipitated from transiently transfected Chinese hamster ovary cells and the presence of SorCS1 in the immunoprecipitates documented by Western blotting. Panel input shows levels of the indicated proteins in the cell lysates prior to immunoprecipitation. Panel IP documents co-immunoprecipitation of SorCS1 from cells expressing (lanes 3) but not from cells lacking TrkB (lanes 2). The experiment was replicated twice. Image collected and cropped by CiteAb from the following publication (<https://www.embopress.org/doi/full/10.15252/embr.201744810>) licensed under a CC-BY license.



Publications

Chae, CW;Choi, GE;Jung, YH;Lim, JR;Cho, JH;Yoon, JH;Han, HJ; High glucose-mediated VPS26a downregulation dysregulates neuronal amyloid precursor protein processing and tau phosphorylation British journal of pharmacology [PMID: 35297035]

Subkhangulova A, Malik AR, Hermey G et al. SORCS1 and SORCS3 control energy balance and orexigenic peptide production. EMBO Rep. 2018-04-01 [PMID: 29440124] (WB)



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Products Related to NBP1-86096

NBP1-86096PEP	SorCS1 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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