

ARG43064
anti-SORBS3 / Vinexin antibodyPackage: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes SORBS3 / Vinexin
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SORBS3 / Vinexin
Species	Human
Immunogen	Synthetic peptide corresponding to a sequence of Human SORBS3 / Vinexin. (ASTKIPASQHTQNWSATWTKDSKRRDKRWVKYE)
Conjugation	Un-conjugated
Alternate Names	SH3-containing adapter molecule 1; Sorbin and SH3 domain-containing protein 3; SCAM-1; Vinexin; SCAM1; SH3D4

Application Instructions

Application table	Application	Dilution
	FACS	1:150 - 1:500
	ICC/IF	1:200 - 1:1000
	IHC-P	1:200 - 1:1000
	WB	1:500 - 1:2000

Application Note IHC-P: Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

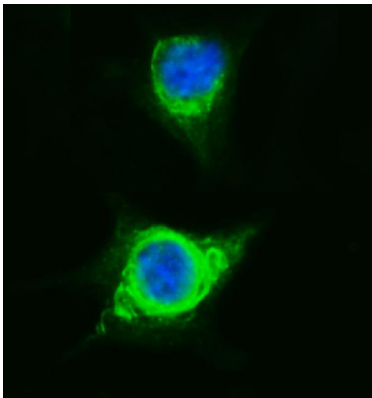
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

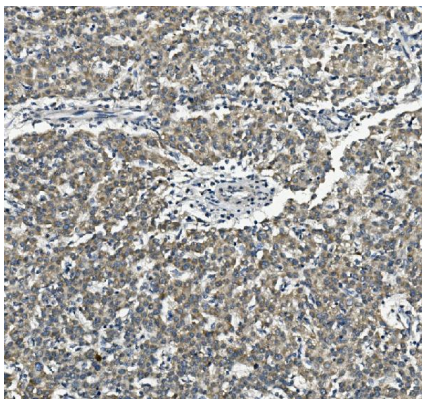
Gene Symbol	SORBS3
Gene Full Name	sorbin and SH3 domain containing 3
Background	This gene encodes an SH3 domain-containing adaptor protein. The presence of SH3 domains play a role in this protein's ability to bind other cytoplasmic molecules and contribute to cytoskeletal organization, cell adhesion and migration, signaling, and gene expression. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]
Function	Vinexin alpha isoform promotes up-regulation of actin stress fiber formation. Vinexin beta isoform plays a role in cell spreading and enhances the activation of JNK/SAPK in response to EGF stimulation by using its third SH3 domain. [UniProt]
Calculated Mw	75 kDa
PTM	Phosphorylated at Ser-530 by MAPK1/ERK2 during cell spreading. [UniProt]
Cellular Localization	Isoform Alpha: Cell junction. Cytoplasm, cytoskeleton. Note=Localized at cell-extracellular matrix junctions (By similarity). Both isoforms were localized at focal adhesion and cell-cell adhesion sites. Isoform Beta: Cell junction. Nucleus. Cytoplasm, cytoskeleton. Note=Localized at cell-extracellular matrix junctions (By similarity). Both isoforms were localized at focal adhesion and cell-cell adhesion sites, vinexin beta was also found in the nucleus. [UniProt]

Images



ARG43064 anti-SORBS3 / Vinexin antibody ICC/IF image

Immunofluorescence: A549 cells were blocked with 10% goat serum and then stained with ARG43064 anti-SORBS3 / Vinexin antibody (green) at 2 µg/ml dilution, overnight at 4°C. DAPI (blue) for nuclear staining.

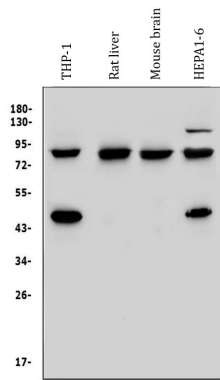


ARG43064 anti-SORBS3 / Vinexin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver cancer tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43064 anti-SORBS3 / Vinexin antibody at 1 µg/ml dilution, overnight at 4°C.

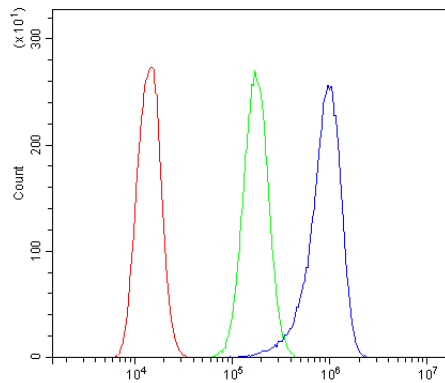
ARG43064 anti-SORBS3 / Vinexin antibody WB image

Western blot: 50 µg of sample under reducing conditions. THP-1, Rat liver, Mouse brain and HEPA1-6 whole cell lysates stained with ARG43064 anti-SORBS3 / Vinexin antibody at 0.5 µg/ml dilution, overnight at 4°C.



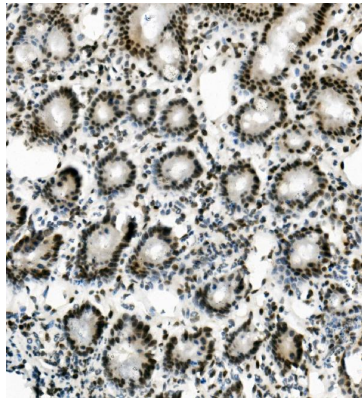
ARG43064 anti-SORBS3 / Vinexin antibody FACS image

Flow Cytometry: A431 cells were blocked with 10% normal goat serum and then stained with ARG43064 anti-SORBS3 / Vinexin antibody (blue) at 1 µg/10⁶ cells for 30 min at 20°C, followed by incubation with DyLight[®]488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10⁶ cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



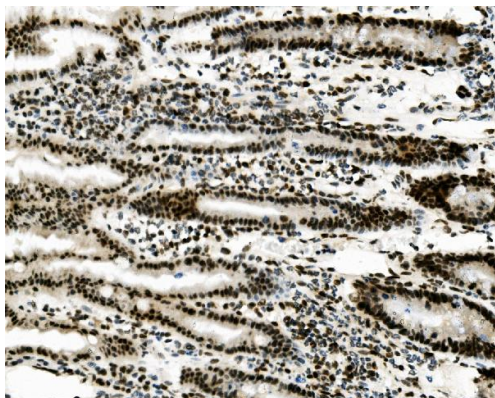
ARG43064 anti-SORBS3 / Vinexin antibody IHC-P image

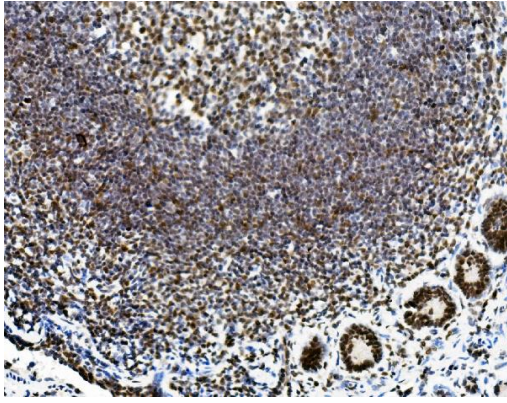
Immunohistochemistry: Paraffin-embedded Mouse intestine tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43064 anti-SORBS3 / Vinexin antibody at 1 µg/ml dilution, overnight at 4°C.



ARG43064 anti-SORBS3 / Vinexin antibody IHC-P image

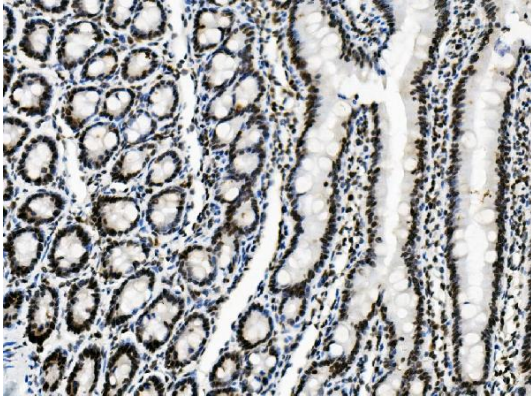
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ARG43064 anti-SORBS3 / Vinexin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat intestinal lymph node tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43064 anti-SORBS3 / Vinexin antibody at 1 $\mu\text{g}/\text{ml}$ dilution, overnight at 4°C.



ARG43064 anti-SORBS3 / Vinexin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat intestine tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43064 anti-SORBS3 / Vinexin antibody at 1 $\mu\text{g}/\text{ml}$ dilution, overnight at 4°C.