

Rabbit ARGBP2 Polyclonal Antibody | anti-SORBS2 antibody

ARGBP2 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285830	Rabbit	Human (Predicted Reactivity: Mouse, Pig, Rat)	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot, Immunofluorescence

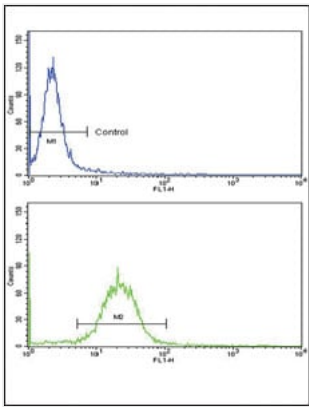
PRODUCT SYNONYMS

ARGBP2; Polyclonal Antibody; ARGBP2 Antibody (N-term); Sorbin and SH3 domain-containing protein 2; Arg/Abl-interacting protein 2; ArgBP2; Sorbin; SORBS2; KIAA0777; anti-SORBS2 antibody

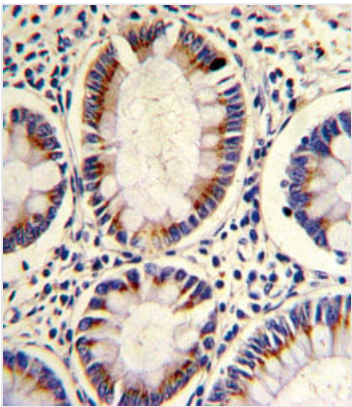
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Pig, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ARGBP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 175-204 amino acids from the N-terminal region of human ARGBP2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Sequence Positions	175-204
Sequence Length	644
Applicable Applications for anti-SORBS2 antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence)
Calculated MW	124108
Function	Adapter protein that plays a role in the assembling of signaling complexes, being a link between ABL kinases and actin cytoskeleton. Can form complex with ABL1 and CBL, thus promoting ubiquitination and degradation of ABL1 or with AKT1 and PAK1, thus mediating AKT1-mediated activation of PAK1. May play a role in the regulation of pancreatic cell adhesion, possibly by acting on WASF1 phosphorylation, enhancing phosphorylation by ABL1, as well as dephosphorylation by PTPN12.
Cellular Location	Cytoplasm, perinuclear region. Apical cell membrane. Cell junction, focal adhesion. Cell projection, lamellipodium. Note=Found at the Z-disk sarcomeres, stress fibers, dense bodies and focal adhesion In pancreatic acinar cells, localized preferentially to the apical membrane. Colocalized with vinculin and filamentous actin at focal adhesions and lamellipodia of pancreatic cells.
Tissue Location	Abundantly expressed in heart. In cardiac muscle cells, located in the Z-disks of sarcomere. Also found, but to a lower extent, in small and large intestine, pancreas, thymus, colon, spleen, prostate, testis, brain, ovary and epithelial cells. In the pancreas, mainly expressed in acinar cells, duct cell and all cell types in islets (at protein level). Tends to be down-regulated in pancreatic adenocarcinomas and metastases.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

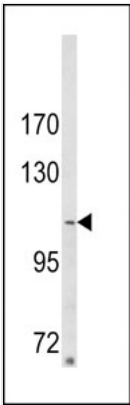
IMAGES



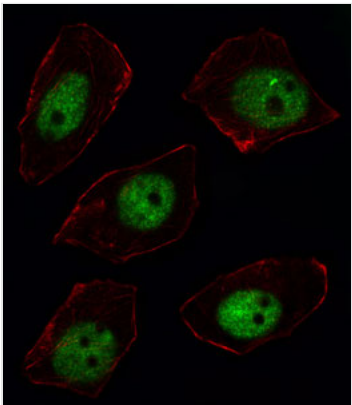
FCM/FACS (Flow Cytometry)
Flow cytometric analysis of MDA-231 cells using ARGBP2 Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human colon carcinoma reacted with ARGBP2 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of ARGBP2 Antibody (N-term) in MDA-MB231 cell line lysates (35ug/lane). ARGBP2 (arrow) was detected using the purified Pab.



IF (Immunofluorescence)
Fluorescent image of U251 cell stained with ARGBP2 Antibody (N-term). U251 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with ARGBP2 primary antibody (1:25, 1 h at 37 degree). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 degree).Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37 degree).ARGBP2 immunoreactivity is localized to Nucleus significantly.

ADDITIONAL INFORMATION

Related Product Information for anti-SORBS2 antibody	Arg and c-Abl represent the mammalian members of the Abelson family of non-receptor protein-tyrosine kinases. They interact with the Arg/Abl binding proteins via the SH3 domains present in the carboxy end of the latter group of proteins. ARGBP2 is the sorbin and SH3 domain containing 2 protein. It has three C-terminal SH3 domains and an N-terminal sorbin homology(SoHo) domain that interacts with lipid raft proteins. The subcellular localization of this protein in epithelial and cardiac muscle cells suggests that it functions as an adapter protein to assemble signaling complexes in stress fibers, and that it is a potential link between Abl family kinases and the actin cytoskeleton.
Product Categories/Family for anti-SORBS2 antibody	Signal Transduction
References	Yuan,Z.Q.,et.al., J. Biol. Chem. 280 (22), 21483-21490 (2005) Olsen,J.V., et.al., Cell 127 (3), 635-648 (2006) Taieb,D., et.al., Cancer Res. 68 (12), 4588-4596 (2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	224586844
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NCBI GeneID	8470
NCBI Accession #	NP_001139142.1; NP_001139143.1; NP_001139144.1; NP_001139145.1; NP_001139146.1; NP_001257700.1; NP_003594.3; NP_066547.1
NCBI GenBank Nucleotide #	NM_001145670.1
UniProt Accession #	O94875; A6NEK9; B3KPQ7; B7Z1G5; B7Z3X6; C9JKV9; D3DP62; D3DP63; E9PAS5; E9PAW4; G3XAI0; H7BXR4
NCBI Official Full Name	sorbin and SH3 domain-containing protein 2 isoform 3
NCBI Official Synonym Full Names	sorbin and SH3 domain containing 2
NCBI Official Symbol	SORBS2
NCBI Official Synonym Symbols	ARGBP2; PRO0618
NCBI Protein Information	sorbin and SH3 domain-containing protein 2
UniProt Protein Name	Sorbin and SH3 domain-containing protein 2
UniProt Gene Name	SORBS2
UniProt Synonym Gene Names	ARGBP2; KIAA0777; ArgBP2
UniProt Entry Name	SRBS2_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://stage.aaabiotech.com/polyclonal/argbp2-antibody-flow-cytometry-immunohistochemistry-western-blot-immunofluorescence-elisa/285830>