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SORBS2 Rabbit pAb

Catalog # AP98029

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	O94875
Other Accession	O94875
Reactivity	Rat
Predicted	Pig, Human, Mouse, Rabbit, Chicken, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	124108
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SORBS2/ArgBP2
Epitope Specificity	401-500/664
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 3 SH3 domains.Contains 1 SoHo domain.
SUBUNIT	Interacts with ABL, CBL, DNM1, DNM2, FLOT1, MLLT4/afadin, PTK2B/PYK2, SAPAP, SPTAN1, SYNJ1, SYNJ2, VCL/vinculin, and WASF (By similarity). Interacts with ABL1/c-Abl, ABL2/v-Abl/Arg, ACTN, AKT1, CBL, PALLD and PAK1.
Post-translational modifications	Ubiquitinated by CBL.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	SORBS2 is an adapter protein that plays a role in the assembling of signaling complexes, being a link between ABL kinases and actin cytoskeleton. It can form a complex with ABL1 and CBL, thus promoting ubiquitination and degradation of ABL1 or with AKT1 and PAK1, thus mediating AKT1-mediated activation of PAK1.

Additional Information

Gene ID	8470
Other Names	ARGBP2; PRO0618; SRBS2_HUMAN; SORBS2; Arg-binding protein 2 (ArgBP2); Arg/Abl-interacting protein 2; Sorbin; KIAA0777; sorbin and SH3 domain containing 2; Arg/Abl interacting protein
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SORBS2
Synonyms	ARGBP2, KIAA0777
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. 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 (PubMed:18559503). Isoform 6 increases water and sodium absorption in the intestine and gall-bladder.
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 cells and all cell types in islets (at protein level). Tends to be down-regulated in pancreatic adenocarcinomas and metastases.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.