10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SORBS1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10689C

Product Information

Application	WB, IF, E
Primary Accession	Q9BX66
Other Accession	Q62417, NP_006425.2
Reactivity	Human, Hamster
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB26778
Calculated MW	142513
Antigen Region	866-892

Additional Information

Gene ID	10580
Other Names	Sorbin and SH3 domain-containing protein 1, Ponsin, SH3 domain protein 5, SH3P12, c-Cbl-associated protein, CAP, SORBS1 (HGNC:14565)
Target/Specificity	This SORBS1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 866-892 amino acids from the Central region of human SORBS1.
Dilution	WB~~1:1000 IF~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
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.
Precautions	SORBS1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SORBS1 (HGNC:14565)
Function	Plays a role in tyrosine phosphorylation of CBL by linking CBL to the insulin receptor. Required for insulin-stimulated glucose transport. Involved in

	formation of actin stress fibers and focal adhesions (By similarity).
Cellular Location	Cell junction, adherens junction. Cell membrane. Cytoplasm, cytoskeleton. Cell junction, focal adhesion. Nucleus. Nucleus matrix. Note=Colocalizes with the Ten-1 ICD form of TENM1 in the nucleus (By similarity). Colocalizes with actin stress fibers. Also detected at the plasma membrane and in neuronal intranuclear inclusions. Colocalized with PXN at focal adhesions during myogenic differentiation.
Tissue Location	Detected in skeletal muscle (at protein level). Widely expressed with highest levels in heart and skeletal muscle

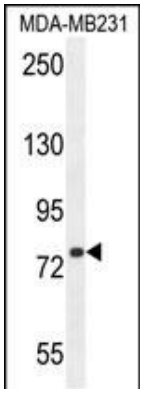
Background

Plays a role in tyrosine phosphorylation of CBL by linking CBL to the insulin receptor. Required for insulin-stimulated glucose transport. Involved in formation of actin stress fibers and focal adhesions (By similarity).

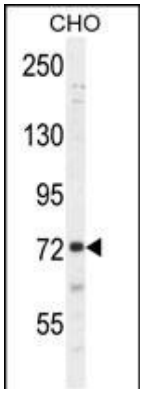
References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Joslyn, G., et al. Alcohol. Clin. Exp. Res. 34(5):800-812(2010) Gehmlich, K., et al. Eur. J. Cell Biol. 89(5):351-364(2010) Yamada, Y., et al. Hypertens. Res. 32(5):325-331(2009) Fernow, I., et al. BMC Cell Biol. 10, 80 (2009) :

Images

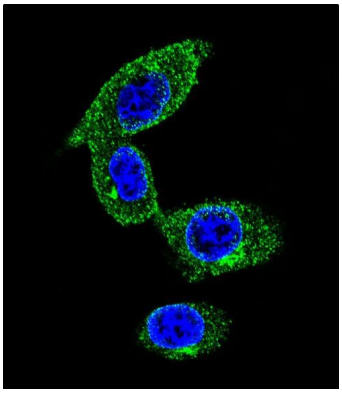


SORBS1 Antibody (Center) (Cat. #AP10689c) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the SORBS1 antibody detected the SORBS1 protein (arrow).



SORBS1 Antibody (Center) (Cat. #AP10689c) western blot analysis in CHO cell line lysates (35ug/lane).This demonstrates the SORBS1 antibody detected the SORBS1 protein (arrow).

Confocal immunofluorescent analysis of SORBS1 Antibody (Center) (Cat#AP10689c) with MDA-MB231 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). DAPI was used to stain the cell nuclear (blue).



Citations

- Glycoprotein screening in colorectal cancer based on differentially expressed Tn antigen.

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