Datasheet for ABIN7600747

anti-SORBS1 antibody (AA 23-323)

Go to Product page

Overview

Quantity:	100 µg
Target:	SORBS1
Binding Specificity:	AA 23-323
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SORBS1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-SORBS1 Picoband® Antibody
Immunogen:	E.coli-derived human SORBS1 recombinant protein (Position: Q23-R323).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SORBS1 Picoband® Antibody (ABIN7600747). Tested in ELISA, Flow Cytometry, IHC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	SORBS1
Alternative Name:	SORBS1 (SORBS1 Products)
Background:	Synonyms: Sorbin and SH3 domain-containing protein 1, Ponsin, SH3 domain protein 5, SH3P12, c-Cbl-associated protein, CAP, SORBS1, KIAA0894, KIAA1296, SH3D5 Tissue Specificity: Expressed at high levels in the small intestine, ovary, testis, kidney and endothelial cells. Background: CAP/Ponsinprotein, also known as Sorbin and SH3 domain-containing protein 1 is a protein that in humans is encoded by the SORBS1 gene. It is mapped to 10q24.1. This gene encodes a CBL-associated protein which functions in the signaling and stimulation of insulin. Mutations in this gene may be associated with human disorders of insulin resistance. Alternative splicing results in multiple transcript variants.
Molecular Weight:	160 kDa
Gene ID:	10580
Pathways:	Cell-Cell Junction Organization, Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Lin, W.-H., Chiu, K. C., Chang, H.-M., Lee, K.-C., Tai, T.-Y., Chuang, L.-M. Molecular scanning of the human sorbin and SH3-domain-containing-1 (SORBS1) gene: positive association of the T228A polymorphism with obesity and type 2 diabetes. Hum. Molec. Genet. 10: 1753-1760, 2001. 2. Mastick, C. C., Brady, M. J., Saltiel, A. R. Insulin stimulates the tyrosine phosphorylation of caveolin. J. Cell Biol. 129: 1523-1531, 1995. 3. Ribon, V., Printen, J. A., Hoffman, N. G., Kay, B. K., Saltiel, A. R. A novel, multifunctional c-Cbl binding protein in insulin receptor signaling in 3T3-L1 adipocytes. Molec. Cell. Biol. 18: 872-879, 1998.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na_2HPO_4, 0.05 mg NaN_3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.