Datasheet for ABIN7602066

anti-STXBP4 antibody (AA 57-481)

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Overview

Quantity:	100 µg
Target:	STXBP4
Binding Specificity:	AA 57-481
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STXBP4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Synip/STXBP4 Antibody Picoband®
Immunogen:	E.coli-derived human Synip/STXBP4 recombinant protein (Position: D57-E481).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Synip/STXBP4 Antibody Picoband® (ABIN7602066). Tested in ELISA, Flow Cytometry, 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:	STXBP4
Alternative Name:	STXBP4 (STXBP4 Products)
Background:	Synonyms: Kinesin-like protein KIF20B, Cancer/testis antigen 90, CT90, Kinesin family member 20B, Kinesin-related motor interacting with PIN1, M-phase phosphoprotein 1, MPP1, KIF20B, KRMP1 Tissue Specificity: Brain, ovary, kidney and testis. Overexpressed in bladder cancer cells. Expressed in testis. Overexpressed in bladder cancer cells. Background: Enables syntaxin binding activity. Involved in several processes, including positive regulation of cell cycle G1/S phase transition, positive regulation of keratinocyte proliferation, and protein stabilization. Located in extracellular exosome.
Molecular Weight:	68 kDa
Gene ID:	252983

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Min, J., Okada, S., Kanzaki, M., Elmendorf, J. S., Coker, K. J., Ceresa, B. P., Syu, L.-J., Noda, Y., Saltiel, A. R., Pessin, J. E. Synip: a novel insulin-regulated syntaxin 4-binding protein mediating GLUT4 translocation in adipocytes. Molec. Cell 3: 751-760, 1999. Note: Erratum: Molec. Cell 4: following 142, 1999. 2. Saito, T., Okada, S., Yamada, E., Ohshima, K., Shimizu, H., Shimomura, K., Sato, M., Pessin, J. E., Mori, M. Syntaxin 4 and Synip (syntaxin 4 interacting protein) regulate insulin secretion in the pancreatic beta-HC-9 cell. J. Biol. Chem. 278: 36718-36725, 2003. 3. Yamada, E., Okada, S., Saito, T., Ohshima, K., Sato, M., Tsuchiya, T., Uehara, Y., Shimizu, H., Mori, M. Akt2 phosphorylates Synip to regulate docking and fusion of GLUT4-containing vesicles. J. Cell Biol. 168: 921-928, 2005.
Restrictions:	For Research Use only

Handling

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

Handling

Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	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 freezing and thawing.