

Datasheet for ABIN7601709
anti-SEC24A antibody (AA 43-1045)



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Overview

Quantity:	100 µg
Target:	SEC24A
Binding Specificity:	AA 43-1045
Reactivity:	Human, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SEC24A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-SEC24A Antibody Picoband®
Immunogen:	E.coli-derived human SEC24A recombinant protein (Position: Q43-Q1045).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SEC24A Antibody Picoband® (ABIN7601709). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human, Monkey. 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:	SEC24A
Alternative Name:	SEC24A (SEC24A Products)
Background:	<p>Synonyms: Cationic amino acid transporter 3,CAT-3,CAT3,Cationic amino acid transporter y+,Solute carrier family 7 member 3,SLC7A3,ATRC3, CAT3,</p> <p>Tissue Specificity: Highly expressed in thymus, uterus and testis. Detected at lower levels in brain, mammary gland, prostate, salivary gland and fetal spleen. In brain, highest expression in thalamus, hippocampus and amygdala. .</p> <p>Background: SEC24 family, member A (<i>S. cerevisiae</i>) is a protein that in humans is encoded by the SEC24A gene. The protein encoded by this gene belongs to a family of proteins that are homologous to yeast Sec24. This protein is a component of coat protein II (COPII)-coated vesicles that mediate protein transport from the endoplasmic reticulum. COPII acts in the cytoplasm to promote the transport of secretory, plasma membrane, and vacuolar proteins from the endoplasmic reticulum to the golgi complex. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.</p>
Molecular Weight:	120 kDa
Gene ID:	10802
UniProt:	O95486

Application Details

Application Notes:	<p>Western blot, 0.1-0.25 µg/mL, Human, Monkey</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Pagano, A., Letourneur, F., Garcia-Estefania, D., Carpentier, J.-L., Orci, L., Paccaud, J.-P. Sec24 proteins and sorting at the endoplasmic reticulum. J. Biol. Chem. 274: 7833-7844, 1999. 2. Tang, B. L., Kausalya, J., Low, D. Y. H., Lock, M. L., Hong, W. A family of mammalian proteins homologous to yeast Sec24p. Biochem. Biophys. Res. Commun. 258: 679-684, 1999.</p>
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 Na ₂ HPO ₄ .
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.