

Rabbit SEC23B Polyclonal Antibody | anti-SEC23B antibody

Anti-SEC23B Antibody

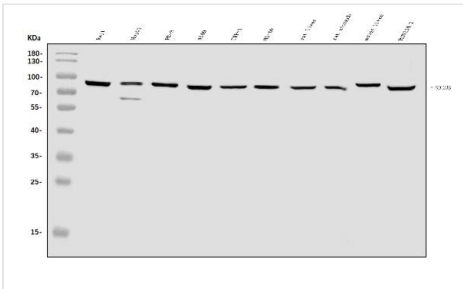
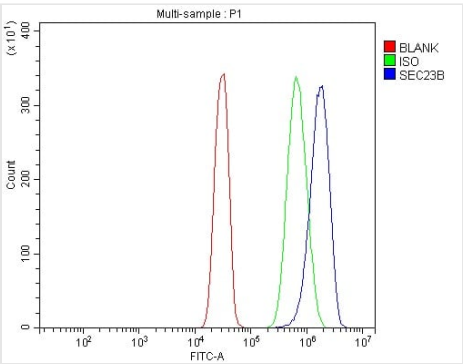
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125762	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

SEC23B; Polyclonal Antibody; Anti-SEC23B Antibody; Protein transport protein Sec23B; hSec23B; SEC23-related protein B; SEC23 homolog B; COPII coat complex component; anti-SEC23B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rabbit IgG polyclonal antibody for SEC23B detection.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4mg Trehalose, 0.9mg NaCl and 0.2mg Na ₂ HPO ₄ .
Applicable Applications for anti-SEC23B antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E Coli-derived human SEC23B recombinant protein (Position: R190-Q581).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Recommended Detection Systems	Recommended Detection Systems
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



WB (Western Blot)
Figure 1. Western blot analysis of SEC23B using anti-SEC23B antibody (AAA125762). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30ug of sample under reducing conditions. Lane 1: human Raji whole cell lysates Lane 2: human HepG2 whole cell lysates Lane 3: human PC-3 whole cell lysates Lane 4: human A549 whole cell lysates Lane 5: human THP-1 whole cell lysates Lane 6: human HL-60 whole cell lysates Lane 7: rat liver tissue lysates Lane 8: rat stomach tissue lysates Lane 9: mouse liver tissue lysates Lane 10: mouse RAW264. 7 whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1. 5 hour at RT. The membrane was incubated with rabbit anti-SEC23B antigen affinity purified polyclonal antibody (Catalog # AAA125762) at 0. 25 μg/mL overnight at 4 degree C, then washed with TBS-0. 1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1. 5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for SEC23B at approximately 86KD. The expected band size for SEC23B is at 86KD.

FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of SiHa cells using anti-SEC23B antibody (AAA125762). Overlay histogram showing SiHa cells stained with AAA125762 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SEC23B Antibody (AAA125762, 1μg/1x10⁶ cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10μg/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1μg/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

ADDITIONAL INFORMATION

Related Product Information for anti-SEC23B antibody	Protein transport protein Sec23B is a protein that in humans is encoded by the SEC23B gene. The protein encoded by this gene is a member of the SEC23 subfamily of the SEC23/SEC24 family, which is involved in vesicle trafficking. The encoded protein has similarity to yeast Sec23p component of COPII. COPII is the coat protein complex responsible for vesicle budding from the ER. The function of this gene product has been implicated in cargo selection and concentration. Multiple alternatively spliced transcript variants have been identified in this gene.
References	1. Bianchi, P., Fermo, E., Vercellati, C., Boschetti, C., Barcellini, W., Iurlo, A., Marcello, A. P., Righetti, P. G., Zanella, A. Congenital dyserythropoietic anemia type II (CDAIL) is caused by mutations in the SEC23B gene. Hum. Mutat. 30: 1292-1298, 2009. 2. Gross, M. B. Personal Communication. Baltimore, Md. 7/16/2018. 3. Hamosh, A. Personal Communication. Baltimore, Md. 7/11/2018.

NCBI AND UNIPROT INFORMATION

NCBI GI #	289629265
NCBI GeneID	10483
NCBI Accession #	NP_001166216.1
NCBI GenBank Nucleotide #	NM_001172745.1
UniProt Accession #	Q15437; Q503A9; Q5W183; Q9BS15; Q9BSI2; Q9H1D7; D3DW33
Molecular Weight	86,479 Da
NCBI Official Full Name	protein transport protein Sec23B isoform 1
NCBI Official Synonym Full Names	Sec23 homolog B (S. cerevisiae)
NCBI Official Symbol	SEC23B
NCBI Official Synonym Symbols	CDAIL; CDAN2; CDA-II; HEMPAS
NCBI Protein Information	protein transport protein Sec23B; SEC23-like protein B; SEC23-related protein B; transport protein SEC23B

UniProt Protein Name	Protein transport protein Sec23B
UniProt Gene Name	SEC23B
UniProt Entry Name	SC23B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/sec23b-antibody-direct-elisa-flow-cytometry-western-blot-elisa/125762>