

SEC23A Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2842a**Specification**

SEC23A Antibody (internal region) - Product Information

Application	WB
Primary Accession	Q15436
Other Accession	NP_006355.2 , 10484 , 20334 (mouse) , 58817 (rat)
Reactivity	Mouse
Predicted	Human, Rat, Dog, Horse, Cow
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	86161

SEC23A Antibody (internal region) - Additional Information**Gene ID** 10484**Other Names**

Protein transport protein Sec23A, SEC23-related protein A, SEC23A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SEC23A Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

SEC23A Antibody (internal region) - Protein Information**Name** SEC23A ([HGNC:10701](#))**Function**

Component of the coat protein complex II (COPII) which promotes the formation of transport vesicles from the endoplasmic reticulum (ER). The coat has two main functions, the physical deformation of the endoplasmic reticulum membrane into vesicles and the selection of cargo molecules for their transport to the Golgi complex. Required for the translocation of insulin-induced glucose transporter SLC2A4/GLUT4 to the cell membrane (By similarity).

Cellular Location

Cytoplasmic vesicle, COPII-coated vesicle membrane; Peripheral membrane protein; Cytoplasmic side. Endoplasmic reticulum membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm, cytosol. Note=Enriched at endoplasmic reticulum exit sites, also known as transitional endoplasmic reticulum (tER)

Tissue Location

Ubiquitously expressed.

SEC23A Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SEC23A Antibody (internal region) - Images

AF2842a (2 µg/ml) staining of NIH3T3 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

SEC23A Antibody (internal region) - References

Insights into COPII coat nucleation from the structure of Sec23.Sar1 complexed with the active fragment of Sec31. Bi X, Mancias JD, Goldberg J Dev Cell. 2007 Nov;13(5):635-45. PMID: 17981133