

**SEC14L2 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP16118a****Specification**

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**SEC14L2 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O76054</a>
Other Accession	<a href="#">O99MS0</a> , <a href="#">O99J08</a> , <a href="#">P58875</a> , <a href="#">NP_036561.1</a> , <a href="#">NP_203740.1</a>
Reactivity	Mouse
Predicted	Bovine, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	46145
Antigen Region	41-69

**SEC14L2 Antibody (N-term) - Additional Information****Gene ID** 23541**Other Names**

SEC14-like protein 2, Alpha-tocopherol-associated protein, TAP, hTAP, Squalene transfer protein, Supernatant protein factor, SPF, SEC14L2, C22orf6, KIAA1186, KIAA1658

**Target/Specificity**

This SEC14L2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 41-69 amino acids from the N-terminal region of human SEC14L2.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

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

**Precautions**

SEC14L2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**SEC14L2 Antibody (N-term) - Protein Information****Name** SEC14L2

**Synonyms** C22orf6, KIAA1186, KIAA1658

**Function** Carrier protein. Binds to some hydrophobic molecules and promotes their transfer between the different cellular sites. Binds with high affinity to alpha-tocopherol. Also binds with a weaker affinity to other tocopherols and to tocotrienols. May have a transcriptional activatory activity via its association with alpha- tocopherol. Probably recognizes and binds some squalene structure, suggesting that it may regulate cholesterol biosynthesis by increasing the transfer of squalene to a metabolic active pool in the cell.

**Cellular Location**

Cytoplasm. Nucleus. Note=Cytoplasmic in absence of alpha-tocopherol, and nuclear in presence of alpha-tocopherol

**Tissue Location**

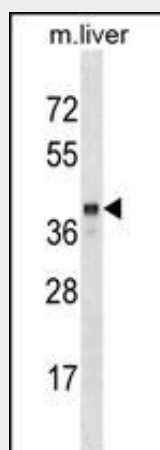
Widely expressed. Strong expression in liver, brain and prostate.

**SEC14L2 Antibody (N-term) - 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](#)

**SEC14L2 Antibody (N-term) - Images**



SEC14L2 Antibody (N-term) (Cat. #AP16118a) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the SEC14L2 antibody detected the SEC14L2 protein (arrow).

**SEC14L2 Antibody (N-term) - Background**

This gene encodes a cytosolic protein which belongs to a family of lipid-binding proteins including Sec14p, alpha-tocopherol transfer protein, and cellular retinol-binding protein. The encoded protein stimulates squalene monooxygenase which is a downstream

enzyme in the cholesterol biosynthetic pathway. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene.

#### **SEC14L2 Antibody (N-term) - References**

Guey, L.T., et al. Eur. Urol. 57(2):283-292(2010)  
Wang, X., et al. Cancer Invest. 27(10):971-977(2009)  
Hosgood, H.D. III, et al. Respir Med 103(12):1866-1870(2009)  
Johnykutty, S., et al. Mod. Pathol. 22(6):770-775(2009)  
Wright, M.E., et al. Cancer Res. 69(4):1429-1438(2009)