

# ADCL1 Antibody (N-term) Blocking Peptide

Synthetic peptide Catalog # BP4743a

# Specification

# ADCL1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession

#### <u>Q6PIU2</u>

# ADCL1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 57552

**Other Names** Neutral cholesterol ester hydrolase 1, NCEH, 311-, Arylacetamide deacetylase-like 1, NCEH1, AADACL1, KIAA1363

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage** Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions** This product is for research use only. Not for use in diagnostic or therapeutic procedures.

# ADCL1 Antibody (N-term) Blocking Peptide - Protein Information

Name NCEH1

Synonyms AADACL1, KIAA1363

Function

Hydrolyzes 2-acetyl monoalkylglycerol ether (1-O-alkyl-2- acetyl-sn-glycerol), the penultimate precursor of the pathway for de novo synthesis of platelet-activating factor (PubMed:<a href="http://www.uniprot.org/citations/17052608" target="\_blank">17052608</a>). May be responsible for the hydrolysis of cholesterol esters (such as cholesteryl (9Z-octadecenoate)) in macrophages (By similarity). Also involved in organ detoxification by hydrolyzing exogenous organophosphorus compounds (By similarity). May contribute to cancer pathogenesis by promoting tumor cell migration (PubMed:<a href="http://www.uniprot.org/citations/17052608" target="\_blank">17052608" target="\_blank">17052608" target="\_blank">17052608" target="\_blank">17052608" target="\_blank">17052608" target="\_blank">17052608</a>).

Cellular Location Cell membrane; Single-pass type II membrane protein. Microsome {ECO:0000250|UniProtKB:Q8BLF1}

**Tissue Location** Expressed in monocyte-derived macrophages. Up- regulated in invasive melanoma and breast



carcinoma cell lines

# ADCL1 Antibody (N-term) Blocking Peptide - Protocols

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

#### <u>Blocking Peptides</u>

#### ADCL1 Antibody (N-term) Blocking Peptide - Images

# ADCL1 Antibody (N-term) Blocking Peptide - Background

ADCL1 hydrolyzes 2-acetyl monoalkylglycerol ether, the penultimate precursor of the pathway for de novo synthesis of platelet-activating factor. ADCL1 may be responsible for cholesterol ester hydrolysis in macrophages, thereby contributing to the development of atherosclerosis. Also ADCL1 involved in organ detoxification by hydrolyzing exogenous organophosphorus compounds. ADCL1 may contribute to cancer pathogenesis by promoting tumor cell migration.

#### ADCL1 Antibody (N-term) Blocking Peptide - References

Yoshida, T., et al. Int. J. Mol. Med. 25(4):649-656(2010)Oguri, M., et al. Am. J. Hypertens. 23(1):70-77(2010)Okazaki, H., et al. J. Biol. Chem. 283(48):33357-33364(2008)Chiang, K.P., et al. Chem. Biol. 13(10):1041-1050(2006)