

AADAC Antibody (C-term) Blocking Peptide

Synthetic peptide Catalog # BP6805b

Specification

AADAC Antibody (C-term) Blocking Peptide - Product Information

Primary Accession

<u>P22760</u>

AADAC Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 13

Other Names Arylacetamide deacetylase, AADAC, DAC

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP6805b was selected from the C-term region of human AADAC. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

AADAC Antibody (C-term) Blocking Peptide - Protein Information

Name AADAC

Synonyms DAC

Function

Displays cellular triglyceride lipase activity in liver, increases the levels of intracellular fatty acids derived from the hydrolysis of newly formed triglyceride stores and plays a role in very low-density lipoprotein assembly. Displays serine esterase activity in liver. Deacetylates a variety of arylacetamide substrates, including xenobiotic compounds and procarcinogens, converting them to the primary arylamide compounds and increasing their toxicity.

Cellular Location

Endoplasmic reticulum membrane; Single-pass type II membrane protein. Microsome membrane; Single-pass type II membrane protein



Tissue Location

Detected in liver (at protein level). Mainly expressed in liver, small intestine, colon, adrenal gland and bladder

AADAC Antibody (C-term) Blocking Peptide - Protocols

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

<u>Blocking Peptides</u>

AADAC Antibody (C-term) Blocking Peptide - Images

AADAC Antibody (C-term) Blocking Peptide - Background

Arylacetamide deacetylation is an important enzyme activity in the metabolic activation of arylamine substrates to ultimate carcinogens.

AADAC Antibody (C-term) Blocking Peptide - References

Saito, S., et.al., J. Hum. Genet. 48 (5), 249-270 (2003)