

ABP1 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP13940a**Specification**

ABP1 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [P19801](#)**ABP1 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 26**Other Names**

Amiloride-sensitive amine oxidase [copper-containing], DAO, Diamine oxidase, Amiloride-binding protein 1, Amine oxidase copper domain-containing protein 1, Histaminase, Kidney amine oxidase, KAO, AOC1, ABP1, DAO1

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13940a was selected from the N-term region of ABP1. 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.

ABP1 Antibody (N-term) Blocking peptide - Protein Information**Name** AOC1**Synonyms** ABP1, DAO1**Function**

Catalyzes the degradation of compounds such as putrescine, histamine, spermine, and spermidine, substances involved in allergic and immune responses, cell proliferation, tissue differentiation, tumor formation, and possibly apoptosis. Placental DAO is thought to play a role in the regulation of the female reproductive function.

Cellular Location

Secreted, extracellular space.

Tissue Location

Placenta and kidney.

ABP1 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

ABP1 Antibody (N-term) Blocking peptide - Images

ABP1 Antibody (N-term) Blocking peptide - Background

This gene encodes a membrane glycoprotein that is expressed in many epithelium-rich and/or hematopoietic tissues and oxidatively deaminates putrescine and histamine. The protein may play a role in controlling the level of histamine and/or putrescine in these tissues. It also binds to and is inhibited by amiloride, a diuretic that acts by closing epithelial sodium ion channels.

ABP1 Antibody (N-term) Blocking peptide - References

Ruano, G., et al. Pharmacogenomics 11(7):959-971(2010) McGrath, A.P., et al. Acta Crystallogr. Sect. F Struct. Biol. Cryst. Commun. 66 (PT 2), 137-142 (2010) :Chambers, J.C., et al. Nat. Genet. 42(2):149-152(2010) McGrath, A.P., et al. Biochemistry 48(41):9810-9822(2009) Song, W.B., et al. World J. Gastroenterol. 15(31):3916-3919(2009)