

ACY3 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP8715c**Specification**

ACY3 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q96HD9](#)**ACY3 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 91703**Other Names**

N-acyl-aromatic-L-amino acid amidohydrolase (carboxylate-forming), Acylase III, Aminoacylase-3, ACY-3, Aspartoacylase-2, Hepatitis C virus core-binding protein 1, HCBP1, HCV core-binding protein 1, ACY3, ASPA2

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8715c](/products/AP8715c) was selected from the Center region of human ACY3. 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.

ACY3 Antibody (Center) Blocking Peptide - Protein Information**Name** ACY3**Synonyms** ASPA2**Function**

Plays an important role in deacetylating mercapturic acids in kidney proximal tubules. Also acts on N-acyl-aromatic amino acids (By similarity).

Cellular Location

Apical cell membrane; Peripheral membrane protein. Cytoplasm Note=Predominantly localized in the apical membrane of cells in the S1 segment. In the proximal straight tubules (S2 and S3 segments) is expressed diffusely throughout the cytoplasm

ACY3 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ACY3 Antibody (Center) Blocking Peptide - Images

ACY3 Antibody (Center) Blocking Peptide - Background

ACY3 belongs to the aspA/astE family. Aspartoacylase subfamily. Catalytic activity:
 $\text{N-acyl-L-aspartate} + \text{H}_2\text{O} = \text{a carboxylate} + \text{L-aspartate}$

ACY3 Antibody (Center) Blocking Peptide - References

Chen, Y.R., et.al., J. Gastroenterol. Hepatol. 24 (7), 1300-1304 (2009) Pushkin, A., et.al., Am. J. Physiol., Cell Physiol. 286 (4), C848-C856 (2004)