

## ACY3 Antibody (Center) Blocking Peptide

Synthetic peptide  
Catalog # BP8715c

### Specification

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#### ACY3 Antibody (Center) Blocking Peptide - Product Information

Primary 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:  
 $N\text{-acyl-L-aspartate} + H_2O = \text{a carboxylate} + L\text{-aspartate}$

### **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)