

ACY3 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP54206

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q96HD9
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35241
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ACY 3
Epitope Specificity	221-319/319
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR 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.
SIMILARITY	Belongs to the AspA/AstE family. Aspartoacylase subfamily.
SUBUNIT	Homotetramer. Interacts with HCV core protein.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	ACY3 belongs to the aspA/astE family. Aspartoacylase subfamily. Catalytic activity: N-acyl-L-aspartate + H(2)O = a carboxylate + L-aspartate. Plays an important role in deacetylating mercapturic acids in kidney proximal tubules.

Additional Information

Gene ID	91703
Other Names	N-acyl-aromatic-L-amino acid amidohydrolase (carboxylate-forming), 3.5.1.114, Acylase III, Aminoacylase-3, ACY-3, Aspartoacylase-2, Hepatitis C virus core-binding protein 1, HCBP1, HCV core-binding protein 1, ACY3, ASPA2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	ACY3
Synonyms	ASPA2
Function	Plays an important role in deacetylating mercapturic acids in kidney proximal tubules. Also acts on N-acetyl-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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.