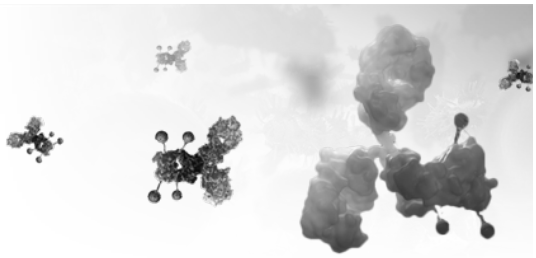

Anti-ATP1B3 monoclonal antibody, clone 6H21 (CABT-21818MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene belongs to the family of Na+/K+ and H+/K+ ATPases beta chain proteins, and to the subfamily of Na+/K+ -ATPases. Na+/K+ -ATPase is an integral membrane protein responsible for establishing and maintaining the electrochemical gradients of Na and K ions across the plasma membrane. These gradients are essential for osmoregulation, for sodium-coupled transport of a variety of organic and inorganic molecules, and for electrical excitability of nerve and muscle. This enzyme is composed of two subunits, a large catalytic subunit (alpha) and a smaller glycoprotein subunit (beta). The beta subunit regulates, through assembly of alpha/beta heterodimers, the number of sodium pumps transported to the plasma membrane. The glycoprotein subunit of Na+/K+ -ATPase is encoded by multiple genes. This gene encodes a beta 3 subunit. This gene encodes a beta 3 subunit. A pseudogene exists for this gene, and it is located on chromosome 2. Mouse monoclonal antibody raised against native ATP1B3.
Immunogen	Native purified from human cancer cel line.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	6H21
Conjugate	Unconjugated
Applications	IHC,IP,Flow Cyt
Format	Liquid
Buffer	In PBS (0.1% proclin, 2.0% Block Ace)

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Preservative	None

GENE INFORMATION

Gene Name	ATP1B3 ATPase, Na+/K+ transporting, beta 3 polypeptide [Homo sapiens]
Official Symbol	ATP1B3
Synonyms	ATPase, Na+/K+ transporting, beta 3 polypeptide; Na, K-ATPase beta-3 polypeptide; CD298; sodium/potassium-dependent ATPase beta-3 subunit; FLJ29027; sodium/potassium-transporting ATPase beta-3 chain; Sodium/potassium-dependent ATPase subunit beta-3; sodium/potassium-transporting ATPase subunit beta-3; ATPB-3; CD298 antigen; OTTHUMP00000214031
Entrez Gene ID	483
Protein Refseq	NP_001670
UniProt ID	P54709
Chromosome Location	3q23
Pathway	Aldosterone-regulated sodium reabsorption, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, conserved biosystem; Basigin interactions, organism-specific biosystem; Bile secretion, organism-specific biosystem; Bile secretion, conserved biosystem; Calcium Regulation in the Cardiac Cell, organism-specific biosystem
Function	protein binding; sodium:potassium-exchanging ATPase activity

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