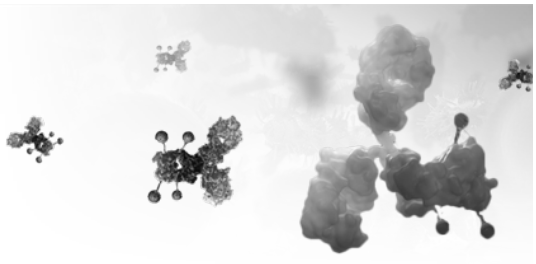

Mouse anti-Human ATP11B monoclonal antibody, clone 5I9 (CABT-B9811)

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

PRODUCT INFORMATION

Immunogen	ATP11B (NP_055431, 1087 a.a. ~ 1178 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	5I9
Conjugate	Unconjugated
Applications	WB,ELISA
Sequence Similarities	DIIKKVFDRHLHPTSTEKAQLTETNAGIKCLDSMCCFPEGEAACASVGRMLERVIGRCSP THISRSWSASDPFYTNDRSILTLSTMDSSTC*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	P-type ATPases, such as ATP11B, are phosphorylated in their intermediate state and drive uphill transport of ions across membranes. Several subfamilies of P-type ATPases have been

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	identified. One subfamily transports heavy metal ions, such as Cu(2+) or Cd(2+). Another subfamily transports non-heavy metal ions, such as H(+), Na(+), K(+), or Ca(+). A third subfamily transports amphipaths, such as phosphatidylserine.[supplied by OMIM, Feb 2005]
Keywords	ATP11B; ATPase, class VI, type 11B; ATPIF; ATPIR; probable phospholipid-transporting ATPase IF; ATPase IR; truncated ATPase 11B protein; P4-ATPase flippase complex alpha subunit ATP11B;

GENE INFORMATION

Entrez Gene ID	23200
UniProt ID	Q9Y2G3
Pathway	Ion channel transport, organism-specific biosystem; Ion transport by P-type ATPases, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem
Function	ATP binding; ATPase activity, coupled to transmembrane movement of ions, phosphorylative mechanism; binding; hydrolase activity; hydrolase activity, acting on acid anhydrides, catalyzing transmembrane movement of substances; ion transmembrane transporter activity; magnesium ion binding; nucleotide binding; phospholipid-translocating ATPase activity; phospholipid-translocating ATPase activity

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