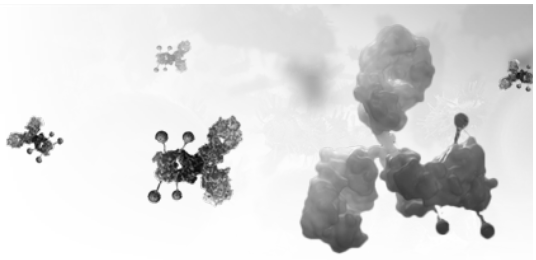

Mouse anti-Human ATP4B monoclonal antibody, clone 2E21 (CABT-B9814)

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

PRODUCT INFORMATION

Immunogen	ATP4B (NP_000696, 67 a.a. ~ 177 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	2E21
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	DPYTPDYQDQLRSPGVTLRPDVYGEKGLEIVYNVSDNRTWADLTQTLHAFLAGYSPAAQE DSINCTSEQYFFQESFRAPNHTKFSCKFTADMLQNCSGLADPNFGFEEGK*
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	The protein encoded by this gene belongs to a family of P-type cation-transporting ATPases. The gastric H+, K+-ATPase is a heterodimer consisting of a high molecular weight catalytic

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

	alpha subunit and a smaller but heavily glycosylated beta subunit. This enzyme is a proton pump that catalyzes the hydrolysis of ATP coupled with the exchange of H(+) and K(+) ions across the plasma membrane. It is also responsible for gastric acid secretion. This gene encodes the beta subunit of the gastric H+, K+-ATPase. [provided by RefSeq, Jul 2008]
Keywords	ATP4B; ATPase, H+/K+ exchanging, beta polypeptide; ATP6B; potassium-transporting ATPase subunit beta; proton pump beta chain; gastric H+/K+ ATPase beta subunit; gastric H(+)/K(+) ATPase subunit beta; gastric hydrogen-potassium ATPase, beta; potassium-transporting ATPase beta chain; ATPase, H+/K+ transporting, beta polypeptide;

GENE INFORMATION

Entrez Gene ID	496
UniProt ID	P51164
Pathway	Collecting duct acid secretion, organism-specific biosystem; Collecting duct acid secretion, conserved biosystem; Gastric acid secretion, organism-specific biosystem; Gastric acid secretion, conserved biosystem; Ion channel transport, organism-specific biosystem; Ion transport by P-type ATPases, organism-specific biosystem
Function	hydrogen:potassium-exchanging ATPase activity; sodium:potassium-exchanging ATPase activity

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221