

#### Datasheet for ABIN635524

# anti-ATP4b antibody (Middle Region)





#### Overview

Overview	
Quantity:	100 μL
Target:	ATP4b
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP4b antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	ATP4 B antibody was raised using the middle region of ATP4 corresponding to a region with
	amino acids QVKYYPPNGTFSLHYFPYYGKKAQPHYSNPLVAAKLLNIPRNAEVAIVCK
Specificity:	ATP4 B antibody was raised against the middle region of ATP4
Purification:	Affinity purified
Target Details	
Target:	ATP4b
Alternative Name:	ATP4B (ATP4b Products)
Background:	ATP4B 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 alpha subunit and a smaller but
	heavily glycosylated beta subunit. This enzyme is a proton pump that catalyzes the hydrolysis

#### Target Details

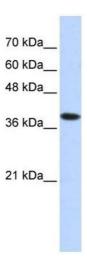
	of ATP coupled with the exchange of $H(+)$ and $K(+)$ ions across the plasma membrane. It is also responsible for gastric acid secretion.
Molecular Weight:	33 kDa (MW of target protein)
Pathways:	Proton Transport

### **Application Details**

Application Notes:	WB: 1 µg/mL
	Optimal conditions should be determined by the investigator.
Comment:	ATP4B Blocking Peptide, catalog no. 33R-7776, is also available for use as a blocking control in assays to test for specificity of this ATP4B antibody
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	Lyophilized powder. Add distilled water for a 1 mg/mL concentration of ATP0 antibody in PBS
Concentration:	Lot specific
Buffer:	PBS
Handling Advice:	Avoid repeated freeze/thaw cycles.  Dilute only prior to immediate use.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



#### **Western Blotting**

**Image 1.** ATP4B antibody used at 1 ug/ml to detect target protein.