

ARG45662 anti-ATP4B antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ATP4B
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ATP4B
Species	Human
Immunogen	Recombinant protein containing to human ATP4B.
Conjugation	Un-conjugated
Alternate Names	ATP4B; ATPase, H ⁺ /K ⁺ exchanging, beta polypeptide; Gastric H ⁺ ; +; Proton pump beta chain; ATP6B; Potassium-transporting ATPase subunit beta

Application Instructions

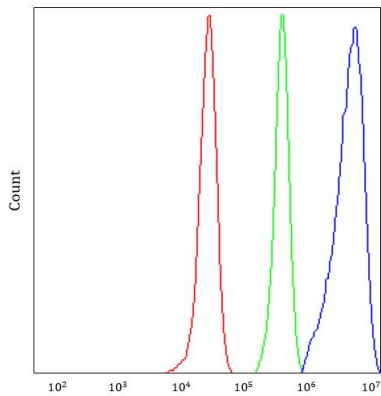
Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	IHC-P	2-5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Affinity purified
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Gene Symbol	ATP4B
Gene Full Name	ATPase, H+/K+ exchanging, beta polypeptide
Background	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 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]
Function	Required for stabilization and maturation of the catalytic proton pump alpha subunit and may also involved in cell adhesion and establishing epithelial cell polarity. [UniProt]
Calculated Mw	33 kDa
PTM	Disulfide bond; Glycoprotein. [UniProt]
Cellular Localization	Cell membrane; Single-pass type II membrane protein. [UniProt]

Images



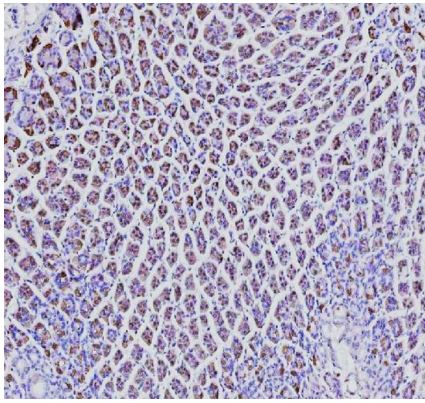
ARG45662 anti-ATP4B antibody FACS image

Flow Cytometry: HepG2 stained with ARG45662 anti-ATP4B antibody at 1 µg/10⁶ cells dilution.



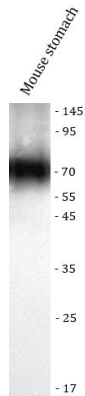
ARG45662 anti-ATP4B antibody WB image

Western blot: Rat stomach stained with ARG45662 anti-ATP4B antibody at 0.5 µg/ml dilution.



ARG45662 anti-ATP4B antibody IHC-P image

Immunohistochemistry: Mouse stomach stained with ARG45662 anti-ATP4B antibody at 2 $\mu\text{g}/\text{ml}$ dilution.



ARG45662 anti-ATP4B antibody WB image

Western blot: Mouse stomach stained with ARG45662 anti-ATP4B antibody at 0.5 $\mu\text{g}/\text{ml}$ dilution.