

Anti-ATP4B Rabbit Monoclonal Antibody

Catalog # ABO16032

Product Information

Application	WB
Primary Accession	P51164
Host	Rabbit
Isotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	Anti-ATP4B Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human.

Additional Information

Gene ID	496
Other Names	Potassium-transporting ATPase subunit beta, Gastric H(+)/K(+) ATPase subunit beta, Proton pump beta chain, ATP4B (HGNC:820)
Calculated MW	33367
Application Details	WB 1:500-1:2000
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 26A11
Immunogen	A synthesized peptide derived from human ATP4B
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

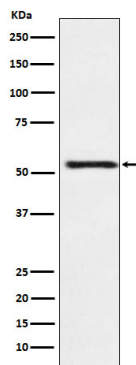
Name	ATP4B (HGNC:820)
Function	The beta subunit of the gastric H(+)/K(+) ATPase pump which transports H(+) ions in exchange for K(+) ions across the apical membrane of parietal cells. Plays a structural and regulatory role in the assembly and membrane targeting of a functionally active pump (By similarity). Within a transport cycle, the transfer of a H(+) ion across the membrane is coupled to ATP hydrolysis

and is associated with a transient phosphorylation of the alpha subunit that shifts the pump conformation from inward-facing (E1) to outward-facing state (E2). Interacts with the phosphorylation domain of the alpha subunit and functions as a ratchet, stabilizing the lumenal-open E2 conformation and preventing the reverse reaction of the transport cycle (By similarity).

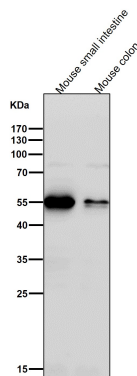
Cellular Location

Apical cell membrane {ECO:0000250|UniProtKB:P20648}; Single-pass type II membrane protein. Cell membrane {ECO:0000250|UniProtKB:P18597}; Single-pass type II membrane protein. Note=Localized in the apical canalicular membrane of parietal cells {ECO:0000250|UniProtKB:P20648}

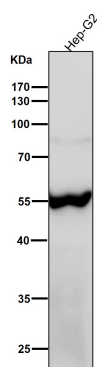
Images



Western blot analysis of ATP4B expression in HepG2 cell lysate.



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.