Anti-ATP4B antibody

Cat. No.	ml220298
Package	25 μl/100 μl/200 μl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-ATP4B rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Fusion protein of human ATP4B
Reactivity	Human, Mouse, Rat
Content	0.6 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	ATP4B
Full name	ATPase, H+/K+ exchanging, beta polypeptide

Synonyms	ATP6B
Swissprot	P51164

Target 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.

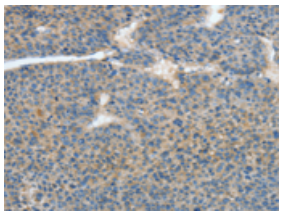
Applications

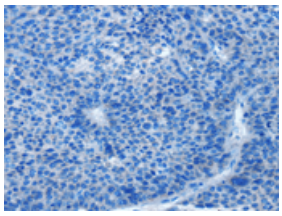
Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human liver cancer

Recommended dilution: 25-100



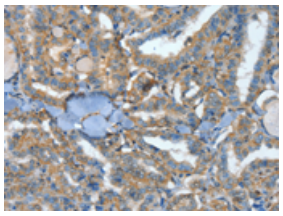


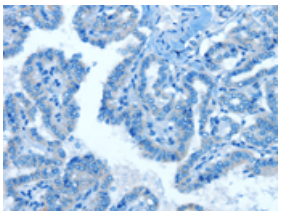
The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ml220298(ATP4B Antibody) at dilution 1/40, on the right is treated with fusion protein. (Original magnification: ×200)

Predicted cell location: Cytoplasm

Positive control: Human thyroid cancer

Recommended dilution: 25-100





The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml220298(ATP4B Antibody) at dilution 1/40, on the right is treated with fusion protein. (Original magnification: ×200)

Western blotting

Predicted band size:33 kDa

Positive control:Mouse pancreas tissue

Recommended dilution: 200-1000

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Gel: 12%SDS-PAGE

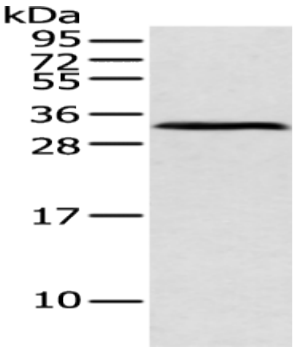
Lysate: 40 μg

Lane: Mouse pancreas tissue

Primary antibody: ml220298(ATP4B Antibody) at dilution 1/250

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 1 minute



ELISA

Recommended dilution: 1000-2000

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