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beta 1 Sodium Potassium ATPase Polyclonal Antibody

Catalog # AP63489

Product Information

Application	WB
Primary Accession	P05026
Reactivity	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35061

Additional Information

Gene ID	481
Other Names	Sodium/potassium-transporting ATPase subunit beta-1 (Sodium/potassium-dependent ATPase subunit beta-1)
Dilution	WB~~WB: 1:1000-2000
Format	PBS, pH 7.4, containing 0.09% (W/V) sodium azide as Preservative and 50% Glycerol.
Storage Conditions	-20℃

Protein Information

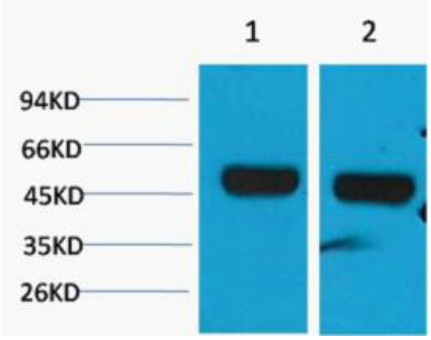
Name	ATP1B1
Synonyms	ATP1B
Function	This is the non-catalytic component of the active enzyme, which catalyzes the hydrolysis of ATP coupled with the exchange of Na(+) and K(+) ions across the plasma membrane. The beta subunit regulates, through assembly of alpha/beta heterodimers, the number of sodium pumps transported to the plasma membrane (PubMed:19694409). Plays a role in innate immunity by enhancing virus-triggered induction of interferons (IFNs) and interferon stimulated genes (ISGs). Mechanistically, enhances the ubiquitination of TRAF3 and TRAF6 as well as the phosphorylation of TAK1 and TBK1 (PubMed:34011520).
Cellular Location	Cell membrane; Single-pass type II membrane protein. Apical cell membrane {ECO:0000250|UniProtKB:P07340}; Single-pass type II membrane protein. Cell membrane, sarcolemma {ECO:0000250|UniProtKB:P14094}. Note=Colocalizes with OBSCN at the intercalated disk and sarcolemma in cardiomyocytes. Localizes in long striations at the level of Z and M lines {ECO:0000250|UniProtKB:P14094}

Tissue Location	Found in most tissues.

Background

This is the non-catalytic component of the active enzyme, which catalyzes the hydrolysis of ATP coupled with the exchange of Na(+) and K(+) ions across the plasma membrane. The beta subunit regulates, through assembly of alpha/beta heterodimers, the number of sodium pumps transported to the plasma membrane.

Images



Western blot analysis of 1) Mouse Brain, 2) Rat Brain, diluted at 1:2000.. Secondary antibody was diluted at 1:20000