

AT2B2 Rabbit pAb

CatalogNo: YN1062

Key Features

Host Species

- Rabbit

Reactivity

- Human,Rat

Applications

- WB,ELISA

MW

- 136kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human protein . at AA range: 250-330

Specificity AT2B2 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name ATP2B2 PMCA2

Protein Name	Plasma membrane calcium-transporting ATPase 2 (PMCA2) (Plasma membrane calcium ATPase isoform 2) (Plasma membrane calcium pump isoform 2)		
	Organism	Gene ID	UniProt ID
	Human	491 ;	Q01814 ;
	Mouse		Q9R0K7 ;
	Rat		P11506 ;
Cellular Localization	Cell membrane ; Multi-pass membrane protein . Cell junction, synapse .; [Isoform WA]: Apical cell membrane ; Multi-pass membrane protein . Basolateral cell membrane ; Multi-pass membrane protein .; [Isoform WB]: Apical cell membrane ; Multi-pass membrane protein . Basolateral cell membrane ; Multi-pass membrane protein .; [Isoform XB]: Basolateral cell membrane ; Multi-pass membrane protein .; [Isoform ZA]: Basolateral cell membrane ; Multi-pass membrane protein .; [Isoform ZB]: Basolateral cell membrane ; Multi-pass membrane protein .		
Tissue specificity	Mainly expressed in brain cortex. Found in low levels in skeletal muscle, heart muscle, stomach, liver, kidney and lung. Isoforms containing segment B are found in brain cortex and at low levels in other tissues. Isoforms containing segments X and W are found at low levels in all tissues. Isoforms containing segment A and segment Z are found at low levels in skeletal muscle and heart muscle.		
Function	Alternative products:There is a combination of two alternative spliced domains at N-terminal site A (W, X and Z) and at C-terminal site C (A and B). So far the splice sites have only been studied independently. Experimental confirmation may be lacking for some isoforms,Catalytic activity:ATP + H(2)O + Ca(2+)(Cis) = ADP + phosphate + Ca(2+)(Trans).,Function:This magnesium-dependent enzyme catalyzes the hydrolysis of ATP coupled with the transport of calcium out of the cell.,similarity:Belongs to the cation transport ATPase (P-type) family.,similarity:Belongs to the cation transport ATPase (P-type) family. Type IIB subfamily.,tissue specificity:Mainly expressed in brain cortex. Found in low levels in skeletal muscle, heart muscle, stomach, liver, kidney and lung. Isoforms containing segment B are found in brain cortex and at low levels in other tissues. Isoforms containing segments X and W are found at low levels in all tissues. Isoforms containing segment A and segment Z are found at low levels in skeletal muscle and heart muscle.,		

| Validation Data

| Contact information

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