

VATA Rabbit pAb

CatalogNo: YN1507

Orthogonal Validated 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Swine

Applications

- WB, ELISA

MW

- 67kD (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, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

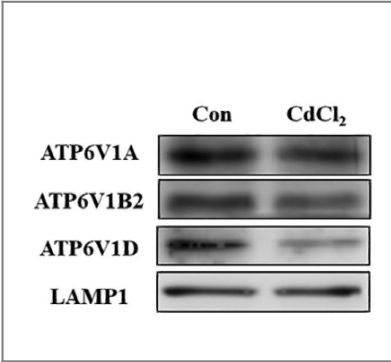
Immunogen Synthesized peptide derived from part region of human protein**Specificity** VATA Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name ATP6V1A ATP6A1 ATP6V1A1 VPP2

Protein Name	V-type proton ATPase catalytic subunit A (V-ATPase subunit A) (V-ATPase 69 kDa subunit) (Vacuolar ATPase isoform VA68) (Vacuolar proton pump subunit alpha)		
	Organism	Gene ID	UniProt ID
	Human	523 ;	P38606 ;
	Mouse		P50516 ;
Cellular Localization	Cytoplasm . Cytoplasm, cytosol . Cytoplasmic vesicle, secretory vesicle . Cytoplasmic vesicle, clathrin-coated vesicle membrane ; Peripheral membrane protein . Lysosome . Co-localizes with WFS1 in the secretory granules in neuroblastoma cell lines. .		
Tissue specificity	High expression in the skin.		
Function	Catalytic activity:ATP + H(2)O + H(+)(In) = ADP + phosphate + H(+)(Out).,Function:Catalytic subunit of the peripheral V1 complex of vacuolar ATPase. V-ATPase vacuolar ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells.,similarity:Belongs to the ATPase alpha/beta chains family.,subunit:V-ATPase is an heteromultimeric enzyme composed of a peripheral catalytic V1 complex (main components: subunits A, B, C, D, E, and F) attached to an integral membrane V0 proton pore complex (main component: the proteolipid protein).,tissue specificity:Present in all tissues analyzed.,		

Validation Data



Autophagy flux inhibition mediated by lysosomal dysfunction participates in the cadmium exposure-induced cardiotoxicity in swine 2022 Mar 14. WB Swine 1:1000 myocardium

Contact information

Orders: order.cn@immunoway.com
Support: support.cn@immunoway.com
Telephone: 400-8787-807(China)
Website: http://www.immunoway.com.cn
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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