

# ATP5J Polyclonal Antibody

## Product Details

Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Full length human ATP5J Recombinant protein.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7, with 20% glycerol
Contains	0.01% thimerosal
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2546678

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-
Immunocytochemistry (ICC/IF)	1:100-1:1,000	-

## Product Specific Information

Recommended positive controls: HeLa, HeLa membrane.

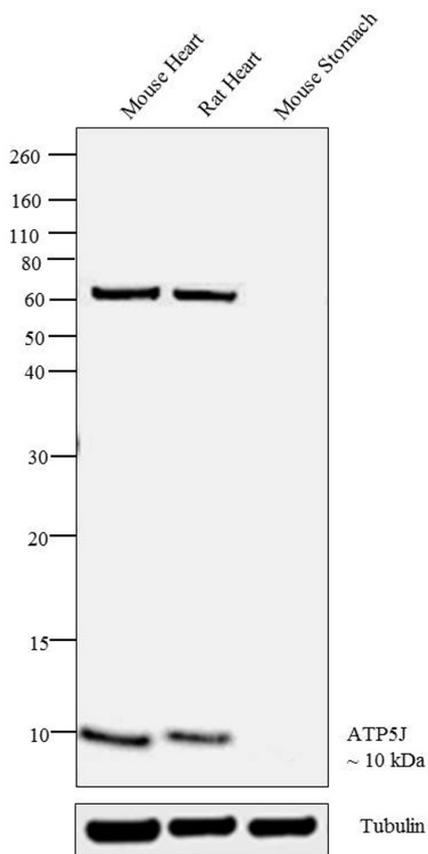
Predicted reactivity: Mouse (80%), Rhesus Monkey (91%), Bovine (80%).

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

## Product Images For ATP5J Polyclonal Antibody

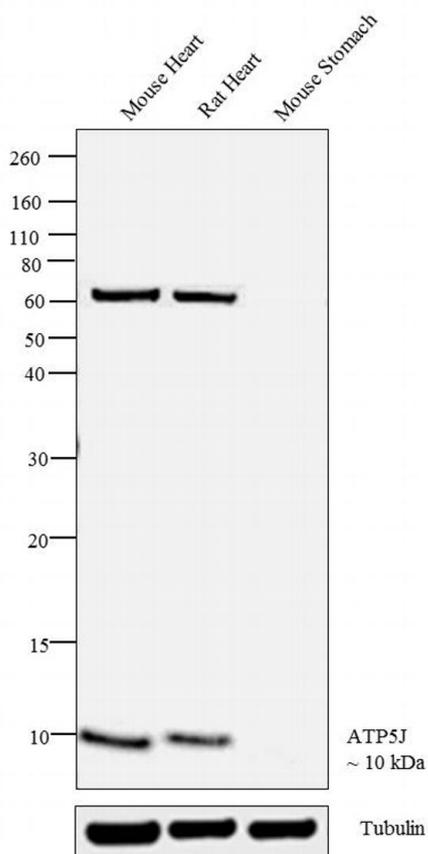
### ATP5J Antibody (PA5-29202)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Expression of ATP5J was observed specifically in Mouse Heart and Rat Heart when compared to Mouse Stomach using Anti-ATP5J Polyclonal Antibody (Product # PA5-29202) in Western Blot. {RE}



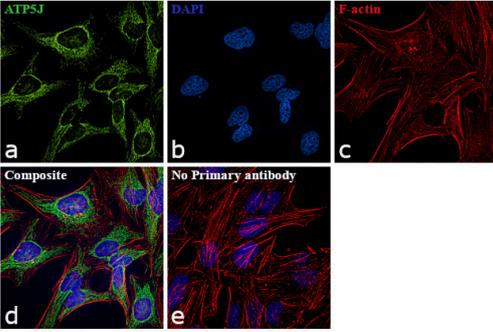
### ATP5J Antibody (PA5-29202) in WB

Western blot analysis was performed on tissue extracts (30 µg lysate) of Mouse Heart (Lane 1), Rat Heart (Lane 2) and Mouse Stomach (Lane 3). The blot was probed with Anti-ATP5J Polyclonal Antibody (Product # PA5-29202, 1:1000 dilution) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4000 dilution). A 10 kDa band corresponding to ATP5J was detected in Mouse Heart, Rat Heart and not in Mouse Stomach which is reported negative for ATP5J expression. An uncharacterized band was observed at 60 kDa.



### ATP5J Antibody (PA5-29202) in ICC/IF

Immunofluorescence analysis of ATP5J was performed using 70% confluent log phase HeLa cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with ATP5J Polyclonal Antibody (Product # PA5-29202) at 1:100 dilution in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing mitochondrial localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



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