

Anti-ATP6 Antibody Product Manual

Cat No: GPA1767

Source: Rabbit

Reactivity: H, M, R

Applications: WB, IF/IC

*Application Key:

H - Human, M - Mouse, R - Rat, B - Bovine, C - Chicken, D - Dog, G - Goat, Mk - Monkey, P - Pig, Rb - Rabbit, S - Sheep, Z - Zebrafish

*Species Reactivity Key:

E- ELISA, WB - Western blot, IH - Immunohistochemistry, IF - Immunofluorescence, FC - Flow cytometry, IC - Immunocytochemistry, IP - Immunoprecipitation, ChIP - Chromatin Immunoprecipitation, EMSA - Electrophoretic Mobility Shift Assay, BL - Blocking, SE - Sandwich ELISA, CBE - Cell-based ELISA, RNAi - RNA interference

Datasheet

Description: Rabbit polyclonal antibody to ATP6

Immunogen: KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ATP6. The exact sequence is proprietary.

Purification: The antibody was purified by immunogen affinity chromatography.

Clonality: Polyclonal

Form: Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Dilution: WB (1/500 - 1/1000), IF/IC (1/50 - 1/200)

Gene Symbol: MT-ATP6

Alternative Names: ATP6; ATPASE6; MTATP6; ATP synthase subunit a; F-ATPase protein 6

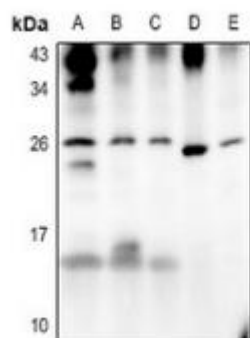
Entrez Gene (Human): 4508;

SwissProt (Human): P00846;

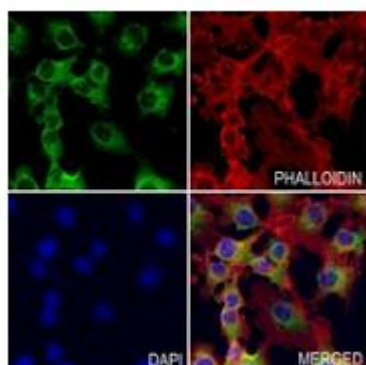
SwissProt (Rat): P05504;

Storage/Stability: Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

Validation



Western blot analysis of ATP6 expression in HEK293T (A), HCT116 (B), A375 (C), PC12 (D), CT26 (E) whole cell lysates. (Predicted band size: 24 kD; Observed band size: 25 kD)



Immunofluorescent analysis of ATP6 staining in COS7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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