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Anti-CD298 Antibody

Catalog # AP59972

Product Information

Application	WB, IF/IC
Primary Accession	P54709
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31513

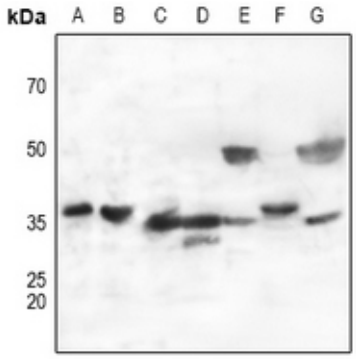
Additional Information

Gene ID	483
Other Names	Sodium/potassium-transporting ATPase subunit beta-3; Sodium/potassium-dependent ATPase subunit beta-3; ATPB-3; CD298
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD298. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IP (1/10 - 1/100) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

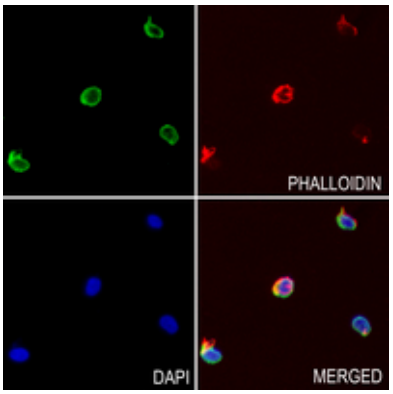
Protein Information

Name	ATP1B3
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 exact function of the beta-3 subunit is not known.
Cellular Location	Apical cell membrane {ECO:0000250|UniProtKB:Q63377}; Single-pass type II membrane protein. Basolateral cell membrane {ECO:0000250|UniProtKB:Q63377}; Single-pass type II membrane protein. Melanosome Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV

Images



Western blot analysis of CD298 expression in HEK293T (A), Hela (B), A2780 (C), mouse heart (D), mouse liver (E), rat heart (F), rat liver (G) whole cell lysates. (Predicted band size: 31 kD; Observed band size: 40 kD)



Immunofluorescent analysis of CD298 staining in HEK293T 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 hidified 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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.