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Anti-ATP6V1H Antibody

Rabbit polyclonal antibody to ATP6V1H
Catalog # AP59843

Product Information

Application	WB, IP
Primary Accession	Q9UI12
Other Accession	Q8BVE3
Reactivity	Human, Mouse, Rat, Zebrafish, Monkey, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55883

Additional Information

Gene ID	51606
Other Names	V-type proton ATPase subunit H; V-ATPase subunit H; Nef-binding protein 1; NBP1; Protein VMA13 homolog; V-ATPase 50/57 kDa subunits; Vacuolar proton pump subunit H; Vacuolar proton pump subunit SFD
Target/Specificity	Recognizes endogenous levels of ATP6V1H protein.
Dilution	WB~~WB (1/500 - 1/1000), IP (1/10 - 1/100) IP~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

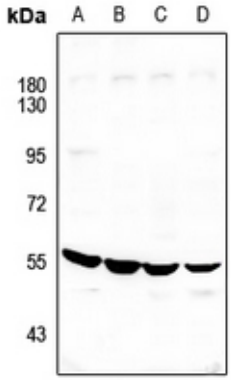
Name	ATP6V1H
Function	Subunit of the V1 complex of vacuolar(H+)-ATPase (V-ATPase), a multisubunit enzyme composed of a peripheral complex (V1) that hydrolyzes ATP and a membrane integral complex (V0) that translocates protons (PubMed:33065002). V-ATPase is responsible for acidifying and maintaining the pH of intracellular compartments and in some cell types, is targeted to the plasma membrane, where it is responsible for acidifying the extracellular environment (By similarity). Subunit H is essential for V-ATPase activity, but not for the assembly of the complex (By similarity). Involved in the endocytosis mediated by clathrin-coated pits, required for the formation of endosomes (PubMed:12032142).
Cellular Location	Cytoplasmic vesicle, clathrin-coated vesicle membrane {ECO:0000250|UniProtKB:O46563}; Peripheral membrane protein

Tissue Location	Widely expressed..

Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ATP6V1H. The exact sequence is proprietary.

Images



Western blot analysis of ATP6V1H expression in H9C2 (A), MEF (B), A549 (C), HepG2 (D) whole cell lysates.