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## Product Information

<b>Product SKU:</b>	CAB14707	<b>Gene ID:</b>	523	<b>Size:</b>	20uL, 100uL
<b>Clone No:</b>	-	<b>Host Species:</b>	Rabbit	<b>Reactivity:</b>	Mouse

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## Additional Information

<b>Observed MW:</b>	74kDa	<b>Conjugate:</b>	Unconjugated
<b>Calculated MW:</b>	68kDa	<b>Isotype:</b>	IgG

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## Immunogen Information

**Background:** This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of eukaryotic intracellular organelles. V-ATPase dependent organelle acidification is necessary for such intracellular processes as protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. V-ATPase is composed of a cytosolic V1 domain and a transmembrane V0 domain. The V1 domain consists of three A and three B subunits, two G subunits plus the C, D, E, F, and H subunits. The V1 domain contains the ATP catalytic site. The V0 domain consists of five different subunits: a, c, c', c'', and d. Additional isoforms of many of the V1 and V0 subunit proteins are encoded by multiple genes or alternatively spliced transcript variants. This encoded protein is one of two V1 domain A subunit isoforms and is found in all tissues. Transcript variants derived from alternative polyadenylation exist.

**Recommended Dilution:** WB, 1:500 - 1:2000

**Synonyms:** HO68; VA68; VPP2; Vma1; DEE93; ARCL2D; ATP6A1; IECEE3; ATP6V1A1; ATP6V1A

**Purification Method:** Affinity purification

**Immunogen:** A synthetic peptide corresponding to a sequence within amino acids 500-600 of human ATP6V1A (NP\_001681.2).

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH 7.3.