ATP6V0A2 polyclonal antibody (A01)

Catalog # H00023545-A01 Size 50 uL

Applications

250 -



Western Blot (Cell lysate)

ATP6V0A2 polyclonal antibody (A01), Lot # 051214JC01 Western Blot analysis of ATP6V0A2 expression in HL-60 (Cat # L014V1).

Western Blot detection against Immunogen (37.88 KDa).

Specification	
Product Description	Mouse polyclonal antibody raised against a partial recombinant ATP6V0A2.
Immunogen	ATP6V0A2 (NP_036595, 198 a.a. ~ 304 a.a) partial recombinant protein with GST tag.
Sequence	GYTIVSYAELDESLEDPETGEVIKWYVFLISFWGEQIGHKVKKICDCYHCHVYPYPNTAEERREIQE GLNTRIQDLYTVLHKTEDYLRQVLCKAAESVYSRVIQVKK
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.88 KDa) .

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Product Information

Storage Buffer

50 % glycerol

Storage Instruction Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

• Western Blot (Cell lysate)

ATP6V0A2 polyclonal antibody (A01), Lot # 051214JC01 Western Blot analysis of ATP6V0A2 expression in HL-60 (Cat # L014V1).

Protocol Download

• Western Blot (Recombinant protein)

Protocol Download

ELISA

Gene Info — ATP6V0A2

Entrez GenelD	23545
GeneBank Accession#	<u>NM_012463</u>
Protein Accession#	<u>NP_036595</u>
Gene Name	ATP6V0A2
Gene Alias	ARCL, ATP6N1D, ATP6a2, J6B7, Stv1, TJ6, TJ6M, TJ6s, Vph1, WSS, a2
Gene Description	ATPase, H+ transporting, lysosomal V0 subunit a2
Gene Ontology	<u>Hyperlink</u>
Gene Summary	The protein encoded by this gene is a subunit of the vacuolar ATPase (v-ATPase), an heteromulti meric enzyme that is present in intracellular vesicles and in the plasma membrane of specialized cells, and which is essential for the acidification of diverse cellular components. V-ATPase is com prised of a membrane peripheral V(1) domain for ATP hydrolysis, and an integral membrane V(0) domain for proton translocation. The subunit encoded by this gene is a component of the V(0) do main. Mutations in this gene are a cause of both cutis laxa type II and wrinkly skin syndrome. [provided by RefSeq
Other Designations	ATPase, H+ transporting, lysosomal V0 subunit A2 infantile malignant osteopetrosis



Publication Reference

• (Pro)renin receptor is required for prorenin-dependent and -independent regulation of vacuolar H+-ATPase activity in MDCK.C11 collecting duct cells.

Lu X, Garrelds IM, Wagner CA, Danser AH, Meima ME.

American Journal of Physiology. Renal Physiology 2013 Aug; 305(3):F417.

Application: WB-Tr, Dog, MCDK.C11 cells

Pathway

- Epithelial cell signaling in Helicobacter pylori infection
- Lysosome
- <u>Metabolic pathways</u>
- Oxidative phosphorylation
- <u>Vibrio cholerae infection</u>