



Anti-ATP6V0A2 (aa 198-304) polyclonal antibody (DPAB-DC1116)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a subunit of the vacuolar ATPase (v-ATPase), an heteromultimeric 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 comprised 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) domain. Mutations in this gene are a cause of both cutis laxa type II and wrinkly skin syndrome.
Immunogen	ATP6V0A2 (NP_036595, 198 a.a. ~ 304 a.a) partial recombinant protein with GST tag. The sequence is GYTIVSYAELDESLEDPETGEVIKWWYVFLISFWGEQIGHKVKKICDCYHCHVYPYPNTAE ERREIQEGLNTRIQDLYTLHKTEDYLRQVLCKAAESVYSRVIQVKK
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	ATP6V0A2 ATPase, H+ transporting, lysosomal V0 subunit a2 [Homo sapiens (human)]
Official Symbol	ATP6V0A2
Synonyms	ATP6V0A2; ATPase, H+ transporting, lysosomal V0 subunit a2; A2; RTF; TJ6; WSS; ARCL; J6B7; STV1; TJ6M; TJ6S; VPH1; ARCL2A; ATP6A2; ATP6N1D; V-type proton ATPase 116 kDa subunit a isoform 2; A2V-ATPase; v-ATPase 116 kDa; regeneration and tolerance factor; v-type proton ATPase 116 kDa subunit a; lysosomal H(+)-transporting ATPase V0 subunit a2; vacuolar proton translocating ATPase 116 kDa subunit a;
Entrez Gene ID	23545
Protein Refseq	NP_036595
UniProt ID	Q9Y487
Chromosome Location	12q24.31
Pathway	Collecting duct acid secretion; Disease; Epithelial cell signaling in Helicobacter pylori infection; Iron uptake and transport
Function	hydrogen ion transmembrane transporter activity; protein binding;