



Anti-ATP12A (aa 174-281) polyclonal antibody (DPAB-DC2024)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene belongs to the family of P-type cation transport ATPases. This gene encodes a catalytic subunit of the ouabain-sensitive H ⁺ /K ⁺ -ATPase that catalyzes the hydrolysis of ATP coupled with the exchange of H ⁽⁺⁾ and K ⁽⁺⁾ ions across the plasma membrane. It is also responsible for potassium absorption in various tissues. Two transcript variants encoding different isoforms have been found for this gene.
Immunogen	ATP12A (NP_001667, 174 a.a. ~ 281 a.a) partial recombinant protein with GST tag. The sequence is SSFNKMIPQQALVIRDSEKKTIPSEQLVVGDIVKGGDQIPADIRVLSSQGCRVDNSSL TGESEPQRSSEFTHENPLETKNICFYSTTCLEASTSPVGTVTGMVIN
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	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	ATP12A ATPase, H+/K+ transporting, nongastric, alpha polypeptide [Homo sapiens (human)]
Official Symbol	ATP12A
Synonyms	ATP12A; ATPase, H+/K+ transporting, nongastric, alpha polypeptide; ATP1AL1; potassium-transporting ATPase alpha chain 2; proton pump; non-gastric H(+)/K(+) ATPase alpha subunit; non-gastric H(+)/K(+) ATPase subunit alpha; ATPase, Na+/K+ transporting, alpha polypeptide-like 1;
Entrez Gene ID	479
Protein Refseq	NP_001172014
UniProt ID	B4E0R9
Chromosome Location	13q12.12; 13q12.1-q12.3
Pathway	Ion channel transport; Oxidative phosphorylation; Transmembrane transport of small molecules;
Function	ATP binding; hydrogen:potassium-exchanging ATPase activity; metal ion binding;