MaxPab®

SLC12A3 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00006559-B01P Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human SLC12A3 protein.
Immunogen	SLC12A3 (AAI11851.1, 1 a.a. ~ 1030 a.a) full-length human protein.
Sequence	MAELPTTETPGDATLCSGRFTISTLLSSDEPSPPAAYDSSHPSHLTHSSTFCMRTFGYNTIDVVPT YEHYANSTQPGEPRKVRPTLADLHSFLKQEGRHLHALAFDSRPSHEMTDGLVEGEAGTSSEKNP EEPVRFGWVKGVMIRCMLNIWGVILYLRLPWITAQAGIVLTWIIILLSVTVTSITGLSISAISTNGKVKSG GTYFLISRSLGPELGGSIGLIFAFANAVGVAMHTVGFAETVRDLLQEYGAPIVDPINDIRIIAVVSVTVL LAISLAGMEWESKAQVLFFLVIMVSFANYLVGTLIPPSEDKASKGFFSYRADIFVQNLVPDWRGPD GTFFGMFSIFFPSATGILAGANISGDLKDPAIAIPKGTLMAIFWTTISYLAISATIGSCVVRDASGVLND TVTPGWGACEGLACSYGWNFTECTQQHSCHYGLINYYQTMSMVSGFAPLITAGIFGATLSSALAC LVSAAKVFQCLCEDQLYPLIGFFGKGYGKNKEPVRGYLLAYAIAVAFIIIAELNTIAPIISNFFLCSYALI NFSCFHASITNSPGWRPSFQYYNKWAALFGAIISVVIMFLLTWWAALIAIGVVLFLLLYVIYKKPEVN WGSSVQAGSYNLALSYSVGLNEVEDHIKNYRPQCLVLTGPPNFRPALVDFVGTFTRNLSLMICGH VLIGPHKQRMPELQLIANGHTKWLNKRKIKAFYSDVIAEDLRRGVQILMQAAGLGRMKPNILVVGFK KNWQSAHPATVEDYIGILHDAFDFNYGVCVMRMREGLNVSKMMQAHINPVFDPAEDGKEASARG ARPSVSGALDPKALVKEEQATTIFQSEQGKKTIDIYWLFDDGGLTLLIPYLLGRKRRWSKCKIRVFV GGQINRMDQERKAIISLLSKFRLGFHEVHILPDINQNPRAEHTKRFEDMIAPFRLNDGFKDEATVNE MRRDCPWKISDEEITKNRVKSLRQVRLNEIVLDYSRDAALIVITLPIGRKGKCPSSLYMAWLETLSQ DLRPPVILIRGNQENVLTFYCQ
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (89); Rat (89)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

Gene Info — SLC12A3

Entrez GeneID	6559
GeneBank Accession#	BC111850.2
Protein Accession#	AAI11851.1
Gene Name	SLC12A3
Gene Alias	FLJ96318, NCCT, TSC
Gene Description	solute carrier family 12 (sodium/chloride transporters), member 3
Omim ID	263800 600968
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a renal thiazide-sensitive sodium-chloride cotransporter that is important for electrolyte homeostasis. This cotransporter mediates sodium and chloride reabsorption in the distal convoluted tubule. Mutations in this gene cause Gitelman syndrome, a disease similar to Bartter's syndrome, that is characterized by hypokalemic alkalosis combined with hypomagnesemia, low urinary calcium, and increased renin activity associated with normal blood pressure. This cotransporter is the target for thiazide diuretics that are used for treating high blood pressure. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	Na-Cl symporter|NaCl electroneutral thiazide-sensitive cotransporter|sodium-chloride cotransporter, thiazide-sensitive|solute carrier family 12, member 3|thiazide-sensitive Na-Cl cotransporter

Disease

- Albuminuria
- Alkalosis
- Cardiovascular Diseases
- Diabetes Mellitus

- Diabetic Nephropathies
- Diabetic Retinopathy
- Edema
- Genetic Predisposition to Disease
- Hyperlipidemias
- Hypertension
- Hypokalemia
- Hypotension
- Kidney Failure
- Proteinuria
- Pseudohypoaldosteronism
- Syndrome
- Tobacco Use Disorder