

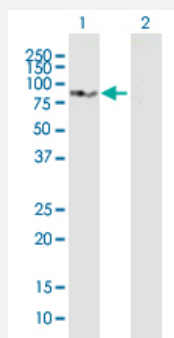
MaxPab®

SLC3A1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00006519-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of SLC3A1 expression in transfected 293T cell line ([H00006519-T01](#)) by SLC3A1 MaxPab polyclonal antibody.

Lane 1: SLC3A1 transfected lysate(78.80 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human SLC3A1 protein.

Immunogen

SLC3A1 (NP_000332.1, 1 a.a. ~ 685 a.a) full-length human protein.

Sequence

MAEDKSKRDSIEMSMKGCQTNNGFVHNEDILEQTPDPSSTDNLKHSTRGILGSQEPDFKGVQP
YAGMPKEVLFFQFSGQARYRIPREILFWLTVASVLVIAATIAIALSPKCLDWWQEGPMYQYPRSFK
DSNKDGNLGLKGIQDKLDYITALNIKTWITSFYKSSSLKDFRYGVDFREVDPIFGTMEDFENLVAAL
HDKGLKLIDFIPNHTSDKHWFQLSRTTRTGKYTDYYWHDC THE NGKTIPPNNWLSVYGNSSWHFD
EVRNQCYFHQFMKEQPDLNFRNPDVQEEIKEILRFWLTGVDGFSLDVAVKFLLEAKHLRDEIQVN
KTQIPDVTQYSELYHDFTTTQVGMHDIRSFRQTMQYSTEPGRYRFMGTEAYAESIDRTVMYYG
LPFIQEADFPFNLYSMLDTVSGNSVYEVITSWMENMPEGKWPNNWIMIGPDSSRLTSRLGNQYV
NVMNMLLFTLPFTPITYYGEI GMGNVAANLNESYDINTLRSKSPMQWDNSSNAGFSEASNTWLP
TNSDYHTVNVDVQKTQPRSAKLYQDLSLLHANELLNLRGWFCFLRNDSHYVVYTRELDGIDRIFV
VLNFGESTLLNLHNMISGLPAKIRIRLSTNSADKGSKVDTSIGIFLDKGEGLIFEHNTKNLLHRQTAFR
DRCFVSNRACYSSVLNILYTSC

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (80); Rat (80)

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.

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[Protocol Download](#)

Gene Info — SLC3A1

Entrez GeneID	6519
GeneBank Accession#	NM_000341.2
Protein Accession#	NP_000332.1
Gene Name	SLC3A1
Gene Alias	ATR1, CSNU1, D2H, FLJ34681, NBAT, RBAT
Gene Description	solute carrier family 3 (cystine, dibasic and neutral amino acid transporters, activator of cystine, dibasic and neutral amino acid transport), member 1
Omim ID	104614 220100 606407
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a type II membrane glycoprotein which is one of the components of the renal amino acid transporter which transports neutral and basic amino acids in the renal tubule and intestinal tract. Mutations and deletions in this gene are associated with cystinuria. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq]
Other Designations	B(0,+)-type amino acid transport protein SLC3A1 variant B SLC3A1 variant C SLC3A1 variant D SLC3A1 variant E SLC3A1 variant F SLC3A1 variant G amino acid transporter 1 solute carrier family 3 (cystine, dibasic and neutral amino acid transporters), member

Disease

- [Cardiomyopathy](#)
- [Cystinuria](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)