

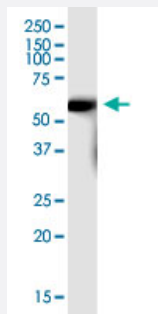
MaxPab®

SLC7A7 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00009056-B01P

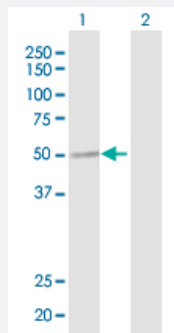
Size 50 ug

Applications



Western Blot (Tissue lysate)

SLC7A7 MaxPab polyclonal antibody. Western Blot analysis of SLC7A7 expression in rat brain.



Western Blot (Transfected lysate)

Western Blot analysis of SLC7A7 expression in transfected 293T cell line ([H00009056-T01](#)) by SLC7A7 MaxPab polyclonal antibody.

Lane1:SLC7A7 transfected lysate(56.21 KDa).

Lane2:Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human SLC7A7 protein.

Immunogen

SLC7A7 (AAH03062.1, 1 a.a. ~ 511 a.a) full-length human protein.

Sequence

MVDSTEYEVASQPEVETSPLGDGASPGPEQVKLKKEISLLNGVCLVGNMIGSGIFVSPKGVLIYS
ASFGLSLVIWAVGGLFSVFGALCYAELGTTIKKSGASYAYILEAFGGFLAFIRLWTSLLIEPTSQAIIAI
TFANYMVQPLFPSCFAPYAASRLAAACICLLTFINCAYVKWGTLVQDIFTYAKVLALIAVIVAGVRL
GQGASTHFENSFEGSSFVAVGDIALALYSALFSYSGWDTLNYVTEEIKNPERNLPLSIGISMPVITIYL
TNVAYYTVLDMRDILASDAVAVTFADQIFGIFNWIPLSVALSCFGGLNASIVAASRLFFVGSREGHL
PDAICMIHVERFTPVPSLLFNGIMALMLCVEDIFQLINYYSFSYWFFVGLSIVGQLYLRWKEPDRPRP
LKLSVFFPVPFCLCTIFLVAVPLYSDTINSIGIAIALSGLPFYFLIRVPEHKRPLYLRRVGSATRYLQVL
CMSVAAEMDLEDGGEMPQKQRPKSN

Host	Mouse
Reactivity	Human, Rat
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 (Tissue lysate)

SLC7A7 MaxPab polyclonal antibody. Western Blot analysis of SLC7A7 expression in rat brain.

[Protocol Download](#)

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Western Blot analysis of SLC7A7 expression in transfected 293T cell line ([H00009056-T01](#)) by SLC7A7 MaxPab polyclonal antibody.

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[Protocol Download](#)

Gene Info — SLC7A7

Entrez GeneID	9056
GeneBank Accession#	BC003062.2
Protein Accession#	AAH03062.1
Gene Name	SLC7A7
Gene Alias	LAT3, LPI, MOP-2, Y+LAT1, y+LAT-1
Gene Description	solute carrier family 7 (cationic amino acid transporter, y+ system), member 7
Omim ID	222700 603593
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene is the light subunit of a cationic amino acid transporter. This sodium-independent transporter is formed when the light subunit encoded by this gene dimerizes with the heavy subunit transporter protein SLC3A2. This transporter is found in epithelial cell membranes where it transfers cationic and large neutral amino acids from the cell to the extracellular space. Defects in this gene are a cause of lysinuric protein intolerance (LPI). Several transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000164491|OTTHUMP00000164492|OTTHUMP00000164494|monocyte amino acid permease 2|solute carrier family 7 member 7|y(+)L-type amino acid transporter 1

Publication Reference

- [Function of SLC7A7 in T-Cell Acute Lymphoblastic Leukemia.](#)

Ji X, Yang X, Wang N, Kang M, Wang Y, Rong L, Fang Y, Xue Y.

Cellular Physiology and Biochemistry 2018 Jul; 48(2):731.

Application: WB-Tr, Human, Jurkat cells

- [Arginine transport in human monocytic leukemia THP-1 cells during macrophage differentiation.](#)

Barilli A, Rotoli BM, Visigalli R, Bussolati O, Gazzola GC, Dall'asta V.

Journal of Leukocyte Biology 2011 Aug; 90(2):293.

Application: WB-Ce, WB-Tr, Human, THP-1 cells

Disease

- [Kidney Failure](#)
- [Tobacco Use Disorder](#)