

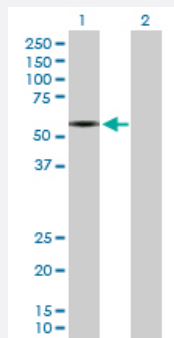
MaxPab®

SLC1A2 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00006506-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of SLC1A2 expression in transfected 293T cell line ([H00006506-T02](#)) by SLC1A2 MaxPab polyclonal antibody.

Lane 1: SLC1A2 transfected lysate(62.10 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human SLC1A2 protein.

Immunogen

SLC1A2 (NP_004162.2, 1 a.a. ~ 574 a.a) full-length human protein.

Sequence

MASTEGANNMPKQVEVRMHDShLGSEEPKhrHLGLRLCDKLGKNLLLTlTVFGVILGAVCGGLL
RLASPIHPDVVMLIAFPGDILMRMLKMLILPLISSLITGLSGLDAKASGRLGTRAMVYYMSTTIAAVL
GVILVLAIHGPNPKLKKQLGPGKKNDEVSSLDaFLDLIRNLFENLVQACFQQIQTVTKKVLVAPPP
DEEANATSAVVSLNETVTEVPEETKMVIKKGLEFKDGMNVLGLIGFFIAFGIAMGKMGDQAKLMV
DFFNILEVMKLVIMIMWYSPLGIACLICGKIIAIDLEVVARQLGMYMVTVIIGLIHGGIFLPLIYFVVTR
KNPFSFFAGIFQAWITALGTASSAGTLPVTFRCLEENLGIDKRVTRFVLPVGATINMDGTALYEAVA
AIFIAQMNGVVLDGGQIVTVSLTATLASVGAASIPSAGLVTMLLILTAVGLPTEDISLLVAVDWLLDR
MRTSVNVVGDSFGAGIVYHLSKSELDTIDSQHRVHEDIEMTKTQSIYDDMKNHRESNSNQCVYAA
HNSVIVDECKVTLAANGKSADCSVEEEPWKREK

Host

Rabbit

Reactivity

Human

Interspecies Antigen Sequence

Mouse (95); Rat (95)

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)

Western Blot analysis of SLC1A2 expression in transfected 293T cell line ([H00006506-T02](#)) by SLC1A2 MaxPab polyclonal antibody.

Lane 1: SLC1A2 transfected lysate(62.10 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — SLC1A2

Entrez GeneID

[6506](#)

GeneBank Accession#

[NM_004171.2](#)

Protein Accession#

[NP_004162.2](#)

Gene Name

SLC1A2

Gene Alias

EAAT2, GLT-1

Gene Description

solute carrier family 1 (glial high affinity glutamate transporter), member 2

Omim ID

[600300](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes a member of a family of solute transporter proteins. The membrane-bound protein is the principal transporter that clears the excitatory neurotransmitter glutamate from the extra cellular space at synapses in the central nervous system. Glutamate clearance is necessary for proper synaptic activation and to prevent neuronal damage from excessive activation of glutamate receptors. Mutations in and decreased expression of this protein are associated with amyotrophic lateral sclerosis. Alternatively spliced transcript variants of this gene have been described, but the full-length nature is not known. [provided by RefSeq]

Other Designations

excitatory amino acid transporter 2|excitotoxic amino acid transporter 2|glial high affinity glutamate transporter|glutamate/aspartate transporter||sodium-dependent glutamate/aspartate transporter 2|solute carrier family 1, member 2

Publication Reference

- [Proline oxidase controls proline, glutamate, and glutamine cellular concentrations in a U87 glioblastoma cell line.](#)

Cappelletti P, Tallarita E, Rabattoni V, Campomenosi P, Sacchi S, Pollegioni L.

PLoS One 2018 Apr; 13(4):e196283.

Application: IF, WB-Tr, Human, U87, U87-PO-EYFP wild-type, U87-PO-EYFP L441P cells

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)

Disease

- [Alcoholism](#)
- [Child Development Disorders](#)
- [Cognition](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Multiple Sclerosis](#)
- [Personality Tests](#)
- [Postmortem Changes](#)
- [Reward](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)