

SLC1A3 Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22259a

Product Information

Application	WB, E
Primary Accession	P43003
Other Accession	P46411
Reactivity	Human, Rat, Mouse
Predicted	Bovine
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB56711

Additional Information

Other Names	Excitatory amino acid transporter 1, Sodium-dependent glutamate/aspartate transporter 1, GLAST-1, Solute carrier family 1 member 3, SLC1A3, EAAT1, GLAST, GLAST1
Target/Specificity	This SLC1A3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 127-161 amino acids from human SLC1A3.
Dilution	WB~~1:8000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SLC1A3 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

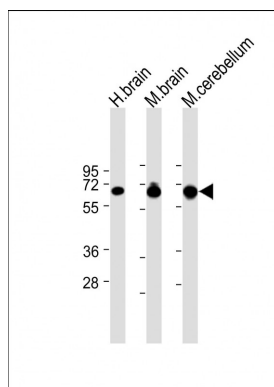
Background

Transports L-glutamate and also L- and D-aspartate. Essential for terminating the postsynaptic action of glutamate by rapidly removing released glutamate from the synaptic cleft. Acts as a symport by cotransporting sodium.

References

Shashidharan P., et al. *Biochim. Biophys. Acta* 1216:161-164(1993).
Arriza J.L., et al. *J. Neurosci.* 14:5559-5569(1994).
Kawakami H., et al. *Biochem. Biophys. Res. Commun.* 199:171-176(1994).
Stoffel W., et al. *FEBS Lett.* 386:189-193(1996).
Vallejo-Illarramendi A., et al. *J. Neurochem.* 95:341-348(2005).

Images



All lanes : Anti-SLC1A3 Antibody (N-Term) at 1:8000 dilution
Lane 1: Human brain lysate
Lane 2: Mouse brain lysate
Lane 3: Mouse cerebellum lysate
Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 60 kDa
Blocking/Dilution buffer: 5% NFDN/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.