Datasheet for ABIN346976

anti-SLC1A3 antibody (C-Term)

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Overview

Quantity:	100 µL
Target:	SLC1A3
Binding Specificity:	C-Term
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC1A3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A 20 residue synthetic peptide derived from C-terminal domain of rat GLAST-1.
Isotype:	IgG
Specificity:	Reacts with rat 60 kDa EAAT1 protein
Cross-Reactivity:	Mouse (Murine), Zebrafish, Chicken
Cross-Reactivity (Details):	Cross react with mouse, human, chicken and zebrafish protein
Purification:	Antiserum

Target Details

Target:	SLC1A3

Target Details

Alternative Name:	Excitatory Amino Acid Transporter 1 (SLC1A3 Products)
Background:	GLAST-1 is expressed in the central nervous system and is involved inL-glutamate and L- and D-aspartate transport.
Gene ID:	29483
UniProt:	P24942
Pathways:	Sensory Perception of Sound, Synaptic Membrane, Dicarboxylic Acid Transport

Application Details

Application Notes:	Working dilution: Optimal dilution should be determined by the end user. The following are guidelines only : ICC(1-10 - 1:200) IHC(1:50 - 1:500) WB(1:200 - 1:5 000)
Restrictions:	For Research Use only

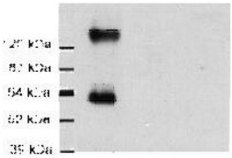
Handling

Format:	Lyophilized
Reconstitution:	Must be reconstituted in distilled water.
Storage:	4 °C/-20 °C
Storage Comment:	Lyophilized powder stable for a minimum of 2 years at -20°C. Store reconstituted antibodies at +4°C. For extended periods store in aliquots at -20°C. Antibodies are guaranteed for 6 month from date of receipt.
Expiry Date:	24 months

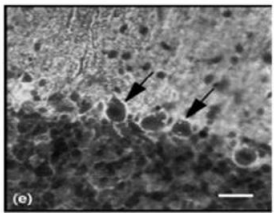
Publications

Product cited in:	Martineau, Shi, Puyal, Knolhoff, Dulong, Gasnier, Klingauf, Sweedler, Jahn, Mothet: "Storage and uptake of D-serine into astrocytic synaptic-like vesicles specify gliotransmission." in: **The Journal of neuroscience : the official journal of the Society for Neuroscience**, Vol. 33, Issue 8, pp. 3413-23, (2013) (PubMed).

pab0036 : Glutamate Transporter-1 GLAST

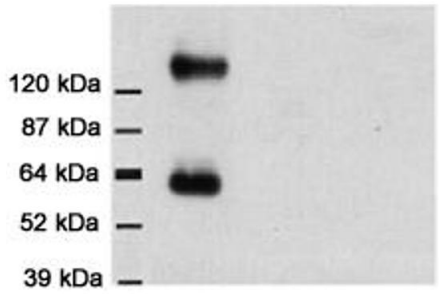


Detection of GLAST in homogenates from rat brain cortex using pab0036 A band of 600 kDa for GLAST was detected and a second band about 150kDa thought to correspond to protein dimer was also detected



Frontal slices of rat brain cortex and rat brain cerebellum, respectively, immunolabelled with anti-GLAST antibody, show a specific astrocytic labelling. Arrows show GLAST-immunoreactivity on Bergmann glia (e, scale bar = 30 µm).

Image 1.



Detection of GLAST in homogenates from rat brain cortex using pab0036. A band of 60 kDa for GLAST was detected and a second band of about 150 kDa thought to correspond to protein dimer was also detected

Image 2.