Datasheet for ABIN1387465

anti-GLYT1 antibody (AA 209-285)

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Overview

Quantity:	100 µL
Target:	GLYT1
Binding Specificity:	AA 209-285
Reactivity:	Rat, Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GLYT1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Glyt1/SLC6A9
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	GLYT1

Target Details

Alternative Name:	Glyt1/SLC6A9 (GLYT1 Products)
Background:	Synonyms: glycine transporter 1, Glyt 1, GlyT-1 antibodyGlyT1, SC6A9_HUMAN, SLC6A9, sodium and chloride dependent glycine transporter 1, Sodium- and chloride-dependent glycine transporter 1, Solute carrier family 6 member 9. Background: Na+/Cl- dependent neurotransmitter transporters are a superfamily of transmembrane proteins that contain 12 membrane spanning regions (1). Specifically, the highly hydrophobic Na+/Cl- dependent glycine transporters (GlyT) are crucial for the termination of neurotransmission at glycinergic synapses (2,3). Two different GlyT genes encode GlyT2 and GlyT1, which exists as two isoforms produced by alternative splicing of the same gene located on human chromosome 1p31.3 (3,4). The GlyT1 gene may be an early marker of neural development and encodes glia-specific transporter proteins (3). Although GlyT1 and GlyT2 are both expressed in the brain and spinal cord, each shows a unique pattern of expression (3,5,6). GlyT1 is found only in the white matter of the CNS, whereas GlyT2 is found in the gray matter of the CNS as well as in macrophages and mast cells in peripheral tissues (3,5). The anatomic distribution of GlyT2 mRNA suggests that glycine may act as a supraspinal neurotransmitter and may function as a chemical messenger outside the CNS (5).
Gene ID:	6536
UniProt:	P48067

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL

Handling

Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

