



GABA T-1 Monoclonal Antibody

Catalog No	BYmab-12723
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SLC6A1
Protein Name	Sodium- and chloride-dependent GABA transporter 1
Immunogen	The antiserum was produced against synthesized peptide derived from human SLC6A1. AA range:381-430
Specificity	GABA T-1 Monoclonal Antibody detects endogenous levels of GABA T-1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SLC6A1; GABATR; GABT1; GAT1; Sodium- and chloride-dependent GABA transporter 1; GAT-1; Solute carrier family 6 member 1
Observed Band	67kD
Cell Pathway	Cell membrane; Multi-pass membrane protein. Membrane; Multi-pass membrane protein. Cell junction, synapse, presynapse . Localized at the plasma membrane and in a subset of intracellular vesicles. Localized at the presynaptic terminals of interneurons (By similarity). .
Tissue Specificity	Brain,
Function	domain:The PDZ domain-binding motif is involved in the interaction with MPP5.,function:Terminates the action of GABA by its high affinity sodium-dependent reuptake into presynaptic terminals.,miscellaneous:This protein is the target of psychomotor stimulants such as amphetamines or cocaine.,similarity:Belongs to the sodium:neurotransmitter symporter (SNF) family.,subcellular location:Localized at the plasma membrane and in a subset of intracellular vesicles. Localized at the presynaptic terminals of interneurons.,subunit:Interacts with MPP5.,

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Background	The SLC6A1 gene encodes a gamma-aminobutyric acid (GABA) transporter, which removes GABA from the synaptic cleft (Hirunsatit et al., 2009 [PubMed 19077666]).[supplied by OMIM, Jul 2009],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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