



# GABA T-1 Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-12872
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	SLC6A1 GABATR GABT1 GAT1
<b>Protein Name</b>	Sodium- and chloride-dependent GABA transporter 1 (GAT-1) (Solute carrier family 6 member 1)
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from the Internal region of human SLC6A1. AA range:170-220
<b>Specificity</b>	The antibody detects endogenous GABA T-1
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000,IHC-p 1:500-200, ELISA 1:10000-20000. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	Sodium- and chloride-dependent GABA transporter 1 (GAT-1;Solute carrier family 6 member 1)
<b>Observed Band</b>	50kD
<b>Cell Pathway</b>	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). .
<b>Tissue Specificity</b>	Brain,
<b>Function</b>	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.,
<b>Background</b>	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],



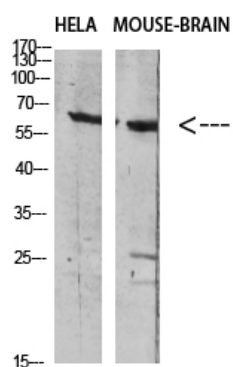
### matters needing attention

Avoid repeated freezing and thawing!

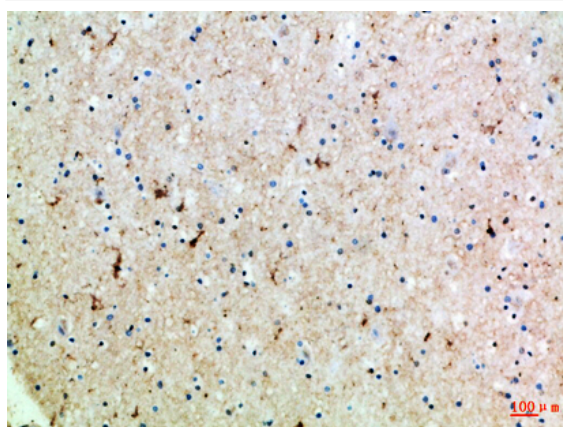
### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

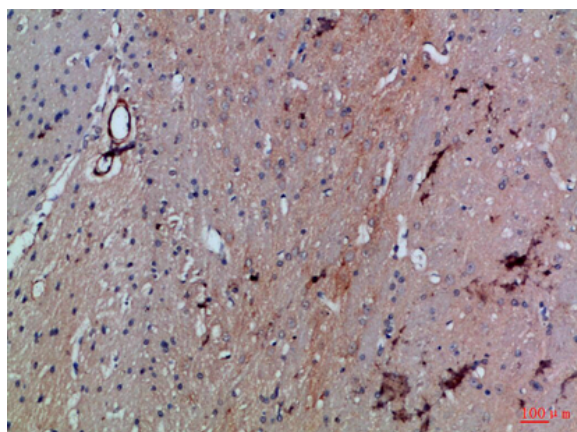
## Products Images



Western blot analysis of HELA MOUSE-BRAIN Cell Lysate using antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded Human-brain, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded Rat-brain, antibody was diluted at 1:100