

VGAT Polyclonal Antibody

Catalog number: 14471-1-AP

Size: 20 µg/150 µl

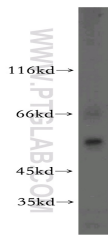
Source: Rabbit

Isotype: IgG

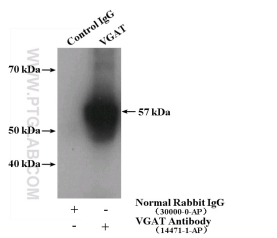
Synonyms:

SLC32A1; GABA and glycine transporter, hVIAAT, SLC32A1,

Vesicular GABA transporter, VGAT, VIAAT



mouse brain tissue were subjected to SDS PAGE followed by western blot with 14471-1-AP(SLC32A1 antibody) at dilution of 1:1000



IP Result of anti-SLC32A1 (IP:14471-1-AP, 4µg; Detection:14471-1-AP 1:500) with mouse brain tissue lysate 4000µg.

Background

SLC32A1, also known as VGAT (vesicular GABA transporter), functions in the uptake of GABA and glycine into synaptic vesicles. GABA (gamma-aminobutyric acid), is the major inhibitory neurotransmitter in the CNS. VGAT transports GABA and glycine into acidic vesicles and localizes to the synaptic vesicle in glycinergic and GABAergic neurons. And VGAT antibodies are useful markers for presynaptic GABAergic and glycinergic neurons.

Applications

Tested applications:	ELISA, WB, IP
Cited applications:	IF, IHC
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	C. elegans, rat
Calculated VGAT MW:	57 kDa
Observed VGAT MW:	57 kDa
Positive WB detected in	Mouse brain tissue
Positive IP detected in	Mouse brain tissue
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:2000

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag5843
GenBank accession number:	BC053582
Gene ID (NCBI):	140679
Full name:	Solute carrier family 32 (GABA vesicular transporter), member 1

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.