

Anti-VGLUT1 Antibody (6D419)

Product Details

Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 62 kDa. Actual: 50 kDa.
Clone:	6D419

Applications

Verified Activity:	25 µg total protein per lane of various lysates (see on figure) probed with VGLUT1 monoclonal antibody, unconjugated (TMAB-14095) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human VGLUT1
Antigen Species:	Human
Gene ID:	57030
Uniprot ID:	Q9P2U7

Research Background

The protein encoded by this gene is a vesicle-bound, sodium-dependent phosphate transporter that is specifically expressed in the neuron-rich regions of the brain. It is preferentially associated with the membranes of synaptic vesicles and functions in glutamate transport. The protein shares 82% identity with the differentiation-associated Na-dependent inorganic phosphate cotransporter and they appear to form a distinct class within the Na⁺/Pi cotransporter family. [provided by RefSeq, Jul 2008]

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