AB-NN362-1
VGlut3 Antibody

Pan-specific monoclonal antibody (S34-34) for monitoring the expression of rat VGlut3

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Target Protein

Name Long:	Vesicular glutamate transporter 3
Alias:	DFNA25, Vesicular glutamate transporter 3, deafness autosomal dominant 25, SLC17A8, Solute carrier family 17 member 8, VGLUT 3, Solute carrier family 17 (sodium dependent inorganic phosphate cotransporter) member 8
UniProt ID:	Q7TSF2 - Rat
Human Predicted Mass (KDa):	64.991 (589 AA; Q8NDX2-1); 59.077 (539 AA; Q8NDX2-2)
Observed SDS-PAGE Mass (KDa):	65

Immunogen

Antibody Immunogen Source:	Fusion protein amino acids 546-588 (cytoplasmic C-terminus) of rat VGlut3

Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	IgG1
Antibody Purification:	Protein G purified
Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	15DE1
Storage Buffer:	Phosphate buffered saline pH 7.4, 50% glycerol, 0.09% sodium azide
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

Applications

Product Use:	WB	IHC
Antibody Dilution Recommended:	WB (1:1000); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Mouse	Rat
Antibody Positive Control:	1 µg/ml of SMC-397 was sufficient for detection of VGLut3 in 20 µg of CV-1 fibroblast cells (lysate) transfected with VGlut3 by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	In mouse brain lysates, this antibody detects a ~65 kDa protein.
Antibody Specificity:	Very High