

AB-NN323-1 VGLUT2 Antibody

Pan-specific monoclonal antibody (S29-29) for monitoring the expression of rat VGLUT2



KINEXUS

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Target Protein

Name Long:	Vesicular glutamate transporter 2 (VGLUT2)
Alias:	Differentiation associated BNPI, DNPI, SLC17A6, Solute carrier family 17 member 6, Vesicular glutamate transporter 2, Differentiation associated Na dependent inorganic phosphate cotransporter, Solute carrier family 17 (Sodium dependent inorganic phosphate cotransporter) member 6, Differentiation associated Na(+) dependent inorganic phosphate cotransporter, Differentiation-associated Na(+)-dependent inorganic phosphate cotransporter, Sodium dependent inorganic phosphate cotransporter
UniProt ID:	Q9JI12 - Rat
Human Predicted Mass (KDa):	64.392 (582 AA; Q9P2U8-1)
Observed SDS-PAGE Mass (KDa):	60

Immunogen

Antibody Immunogen Source:	Fusion protein amino acids 501-582 (cytoplasmic C-terminus) of rat VGLut2
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Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	204 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-395 was sufficient for detection of VGLut2 in 20 µg of rat brain lysate by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	Detects a ~60 kDa protein.

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-888-546-3987