

# AB-NN324-1

## SNAT1 Antibody

Pan-specific monoclonal antibody (S104-32) for monitoring the expression of rat SNAT1



# KINEXUS

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### Target Protein

<b>Name Long:</b>	Sodium-coupled neutral amino acid transporter 1 (SNAT1)
<b>Alias:</b>	SLC38A1, amino acids transporter A1, ATA1, NAT2, sodium coupled neutral amino acids transporter 1, Amino acid transporter system A1, N-system amino acid transporter 2, S38A1, SAT1, SNAT 1, Solute carrier family 38 member 1, System A amino acid transporter 1, System N amino acid transporter 1
<b>UniProt ID:</b>	Q9JM15 - Rat
<b>Human Predicted Mass (KDa):</b>	54.048 (487 AA; A0A024R124-1)
<b>Observed SDS-PAGE Mass (KDa):</b>	50

### Immunogen

<b>Antibody Immunogen Source:</b>	Fusion protein amino acids 1- 63 of rat SNAT1
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### Production

<b>Antibody Host Species:</b>	Mouse
<b>Antibody Type:</b>	Monoclonal
<b>Antibody Ig Isotype Clone Lot:</b>	179 IgG1
<b>Antibody Purification:</b>	Protein G purified
<b>Amount:</b>	25 µg
<b>Antibody Concentration:</b>	1 mg/ml
<b>Lot Number:</b>	15DE1
<b>Storage Buffer:</b>	Phosphate buffered saline, pH 7.4, 50% glycerol, 0.09% sodium azide
<b>Storage Conditions and Stability:</b>	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

<b>Product Use:</b>	WB   IHC   ICC/IF
<b>Antibody Dilution Recommended:</b>	WB (1:1000); optimal dilutions for assays should be determined by the user.
<b>Antibody Species Reactivity:</b>	Human   Mouse   Rat
<b>Antibody Positive Control:</b>	1 µg/ml of SMC-401 was sufficient for detection of SNAT1 in 20 µg of lysates from neocortical neurons cultured under amino acid starvation conditions and assayed by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.
<b>Target Detection Immunoblotting:</b>	Detects a ~50 kDa protein.

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

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