

# AB-NN340-2

## SUR1 and SUR2B Antibody

Pan-specific monoclonal antibody (S323A-31) for monitoring the expression of rat SUR1 and SUR2B



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### Target Protein

<b>Name Long:</b>	ATP-binding cassette sub-family C member 9
<b>Alias:</b>	ABC36, Abcc8, ABCC8_HUMAN, ATP binding cassette sub family C (CFTR/MRP) member 8, ATP binding cassette transporter sub family C member 8 (1), ATP-binding cassette sub-family C member 8, HHF1, HI, HRINS, MRP8, PHHI, Sulfonylurea receptor (hyperinsulinemia), Sulfonylurea receptor 1, SUR, SUR1, SUR1delta2, TNDM2, ABC37, abcC9, ABCC9_HUMAN, AI414027
<b>UniProt ID:</b>	Q63563 - Rat
<b>Human Predicted Mass (KDa):</b>	174.223 (1549 AA; A0A024RAV7-1)
<b>Observed SDS-PAGE Mass (KDa):</b>	175

### Immunogen

<b>Antibody Immunogen Source:</b>	Fusion protein amino acids 1503-1545 (VHTILTADLVIVMKRGNILEYDTPESLLAQEDGVFASFVRADM, cytoplasmic C-terminus) of rat SUR2B
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### Production

<b>Antibody Host Species:</b>	Mouse
<b>Antibody Type:</b>	Monoclonal
<b>Antibody Ig Isotype Clone Lot:</b>	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   ICC/IF
<b>Antibody Dilution Recommended:</b>	WB (1:1000), IHC (1:1000), ICC/IF (1:100); optimal dilutions for assays should be determined by the user.
<b>Antibody Species Reactivity:</b>	Mouse   Rat
<b>Antibody Positive Control:</b>	1 µg/ml of SMC-432 was sufficient for detection of SUR1 and SUR2B in 20 µg of mouse brain membrane lysate and assayed by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.
<b>Target Detection Immunoblotting:</b>	In mouse brain lysates, this antibody detects a ~175 kDa protein and smaller fragments likely due to proteolytic cleavage.
<b>Antibody Specificity:</b>	High
<b>Antibody Cross Reactivities:</b>	One strong cross-reactive protein at ~50 kDa in mouse brain lysates.

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

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