

AB-NN280-1

Kir6.1 Antibody

Pan-specific monoclonal antibody (S366-60) for monitoring the expression of rat Kir6.1



KINEXUS

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Target Protein

Name Long:	ATP-sensitive inward rectifier potassium channel 8
Alias:	ATP-sensitive inward rectifier potassium channel 8, Potassium channel inwardly rectifying subfamily J member 8, uKATP-1, Kcnj8
UniProt ID:	Q63664 - Rat
Human Predicted Mass (KDa):	47.968 (424 AA; A0A024RAV6-1)
Observed SDS-PAGE Mass (KDa):	45

Immunogen

Antibody Immunogen Source:	Fusion protein amino acids 306-424 (Cytoplasmic C-terminus) of rat Kir6.1
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Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	IgG2A
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, 0.1% 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 ICC/IF
Antibody Dilution Recommended:	WB (1:1000); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Mouse Rat
Antibody Positive Control:	A 1:100 dilution of SMC-491 was sufficient for detection of Kir6.1 in 20 µg of mouse brain lysate by ECL immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	In mouse brain lysates, this antibody detects a ~45 kDa protein.
Antibody Specificity:	Very High

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