

AB-NN278-1

Kir2.2 Antibody

Pan-specific monoclonal antibody (S124B-38) for monitoring the expression of rat Kir2.2



KINEXUS

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Target Protein

Name Long:	ATP-sensitive inward rectifier potassium channel 12 (Kir2.2)
Alias:	IRK2, KCNJ12, kcnj12x, KCNJN1, Kir2.2v, potassium inwardly rectifying channel subfamily J member 12
UniProt ID:	Q6U7S0 - Rat
Human Predicted Mass (KDa):	49.001 (433 AA; Q14500-1)
Observed SDS-PAGE Mass (KDa):	45

Immunogen

Antibody Immunogen Source:	Fusion protein amino acids 362-427 of rat Kir2.2
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Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	22 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 ICC/IF
Antibody Dilution Recommended:	WB (1:1000), IHC (1:1000), ICC/IF (1:100); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Human Mouse Rat
Antibody Positive Control:	1 µg/ml of SMC-311 was sufficient for detection of Kir2.2 in 30 µg of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	Detects a ~45 kDa protein.
Antibody Specificity:	Very High
Antibody Cross Reactivities:	No cross-reactivity against Kir2.2 or Kir2.3.

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