

AB-NN266-1

HCN4 Antibody

Pan-specific monoclonal antibody (S114-10) for monitoring the expression of rat HCN4



KINEXUS

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Target Protein

Name Long:	Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 4 (HCN4)
Alias:	Hyperpolarization activated cyclic nucleotide gated potassium channel 4, HCN 4, Potassium/sodium hyperpolarization activated cyclic nucleotide gated channel 4
UniProt ID:	Q9JKA7 - Rat
Human Predicted Mass (KDa):	129.042 (1203 AA; Q9Y3Q4-1)
Observed SDS-PAGE Mass (KDa):	130

Immunogen

Antibody Immunogen Source:	Fusion protein amino acids 1-019-1198 (C-terminus) of rat HCN4
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Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	106 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-320 was sufficient for detection of HCN4 in 10 µg of COS cell lysate transiently transfected with HCN4 by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	Detects a ~130 kDa protein.
Antibody Specificity:	Very High
Antibody Cross Reactivities:	No cross-reactivity against other HCNs.

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