

AB-NN274-1 KCNQ1 Antibody

Pan-specific monoclonal antibody (S37A-10) for monitoring the expression of human KCNQ1



KINEXUS

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Target Protein

Name Long:	Potassium voltage-gated channel subfamily KQT member 1 (KCNQ1)
Alias:	ATFB1, ATFB3, FLJ26167, IKs producing slow voltage-gated potassium channel subunit alpha, IKs producing slow voltage-gated potassium channel subunit alpha KvLQT1, Jervell and Lange-Nielsen syndrome 1, JLNS1, KCNA8, KCNA9, KCNQ1, kidney and cardiac voltage dependend K+ channel, Kv1.9, Kv7.1, KVLQT1, long (electrocardiographic) QT syndrome, Ward-Romano syndrome 1, LQT, LQT1, Potassium voltage-gated channel subfamily KQT member 1, potassium voltage-gated channel KQT-like subfamily member 1, RWS, slow delayed rectifier channel subunit, SQT2
UniProt ID:	P51787 - Human
Human Predicted Mass (KDa):	74.699 (676 AA; P51787-1); 61.474 (549 AA; P51787-2)
Observed SDS-PAGE Mass (KDa):	75

Immunogen

Antibody Immunogen Source:	Fusion protein amino acids 2-101 of human KCNQ1
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Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	147 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 IP
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 Hamster
Antibody Positive Control:	1 µg/ml of SMC-307 was sufficient for detection of KCNQ1 in 10 µg of COS-1 cell lysate transiently expressing KCNQ1 by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	Detects a ~75 kDa protein.
Antibody Specificity:	High

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

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