

AB-NN276-1 KCNQ4 Antibody

Pan-specific monoclonal antibody (S43-6) for monitoring the expression of human KCNQ4



KINEXUS

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Target Protein

Name Long:	Potassium voltage-gated channel subfamily KQT member 4 (KCNQ4)
Alias:	DFNA 2, DFNA2, KCNQ 4, Kcnq4, KCNQ4_HUMAN, KQT like 4, KQT-like 4, KV7.4, Potassium channel KQT like 4, Potassium channel subunit alpha KvLQT4, Potassium voltage gated channel KQT like protein 4, Potassium voltage gated channel KQT like subfamily member 4, Potassium voltage gated channel subfamily KQT member 4, Potassium voltage-gated channel subfamily KQT member 4, Voltage gated potassium channel subunit Kv7.4, Voltage-gated potassium channel subunit Kv7.4
UniProt ID:	P56696 - Human
Human Predicted Mass (KDa):	77.101 (695 AA; P56696-1); 71.196 (641 AA; P56696-2)
Observed SDS-PAGE Mass (KDa):	77

Immunogen

Antibody Immunogen Source:	Fusion protein amino acids 2-77 of human KCNQ4
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Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	20 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
Antibody Positive Control:	1 µg/ml of SMC-309 was sufficient for detection of KCNQ4 in 10 µg of COS-1 cell lysate transiently expressing KCNQ4 by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	Detects a ~77 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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