



Human KCNQ5 blocking peptide (CDBP1679)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-KCNQ5 antibody
Antigen Description	This gene is a member of the KCNQ potassium channel gene family that is differentially expressed in subregions of the brain and in skeletal muscle. The protein encoded by this gene yields currents that activate slowly with depolarization and can form heteromeric channels with the protein encoded by the KCNQ3 gene. Currents expressed from this protein have voltage dependences and inhibitor sensitivities in common with M-currents. They are also inhibited by M1 muscarinic receptor activation. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2009]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	KCNQ5 potassium voltage-gated channel, KQT-like subfamily, member 5 [Homo sapiens]
Official Symbol	KCNQ5
Synonyms	KCNQ5; potassium voltage-gated channel, KQT-like subfamily, member 5; potassium voltage-

gated channel subfamily KQT member 5; Kv7.5; KQT-like 5; potassium channel protein;
potassium channel subunit alpha KvLQT5; voltage-gated potassium channel subunit Kv7.5;

Entrez Gene ID	56479
mRNA Refseq	NM_001160130
Protein Refseq	NP_001153602
UniProt ID	Q9NR82
Chromosome Location	6q14
Pathway	Cholinergic synapse, organism-specific biosystem; Neuronal System, organism-specific biosystem; Potassium Channels, organism-specific biosystem; Voltage gated Potassium channels, organism-specific biosystem;
Function	inward rectifier potassium channel activity; voltage-gated ion channel activity;