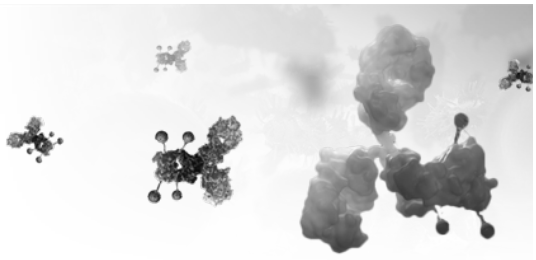

Anti-KCNQ5 polyclonal antibody (DPAB-DC2515)

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

PRODUCT INFORMATION

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.
Immunogen	A synthetic peptide corresponding to human KCNQ5. The sequence is C-ESTDALSLPHVKLK
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	ELISA,
Format	Liquid
Concentration	0.5 mg/mL
Size	100 µg
Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Preservative	0.02% Sodium Azide
Storage	Store at -20°C.Aliquot to avoid repeated freezing and thawing.

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GENE INFORMATION

Gene Name	KCNQ5 potassium voltage-gated channel, KQT-like subfamily, member 5 [Homo sapiens (human)]
Official Symbol	KCNQ5
Synonyms	KCNQ5; potassium voltage-gated channel, KQT-like subfamily, member 5; Kv7.5; potassium voltage-gated channel subfamily KQT member 5; KQT-like 5; potassium channel protein; potassium channel subunit alpha KvLQT5; voltage-gated potassium channel subunit Kv7.5;
Entrez Gene ID	56479
Protein Refseq	NP_001153602
UniProt ID	Q9NR82
Chromosome Location	6q14
Pathway	Cholinergic synapse; Potassium Channels;
Function	delayed rectifier potassium channel activity; inward rectifier potassium channel activity;

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