

**KCNQ5 rabbit pAb****Cat#: orb769718 (Manual)**

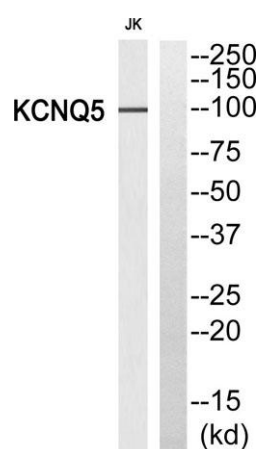
For research use only. Not intended for diagnostic use.

<b>Product Name</b>	KCNQ5 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;ELISA;IHC
<b>Species Cross-Reactivity</b>	Human;Mouse
<b>Recommended dilutions</b>	WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human KCNQ5. AA range:637-686
<b>Specificity</b>	KCNQ5 Polyclonal Antibody detects endogenous levels of KCNQ5 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Potassium voltage-gated channel subfamily KQT member 5
<b>Gene Name</b>	KCNQ5
<b>Cellular localization</b>	Cell membrane ; Multi-pass membrane protein .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

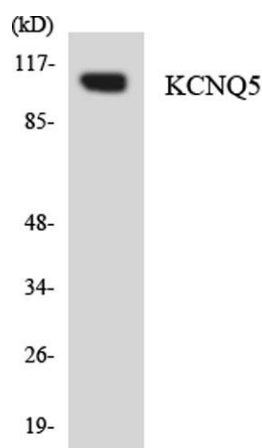
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	100-110kD
<b>Human Gene ID</b>	56479
<b>Human Swiss-Prot Number</b>	Q9NR82
<b>Alternative Names</b>	KCNQ5; Potassium voltage-gated channel subfamily KQT member 5; KQT-like 5; Potassium channel subunit alpha KvLQT5; Voltage-gated potassium channel subunit Kv7.5

### Background

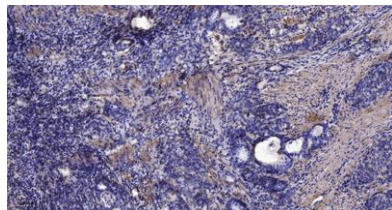
This gene is a member of the KCNQ potassium channel gene family that is differentially expressed in subregions of the brain and in skeletal muscle. The protein encoded by this gene yields currents that activate slowly with depolarization and can form heteromeric channels with the protein encoded by the 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],



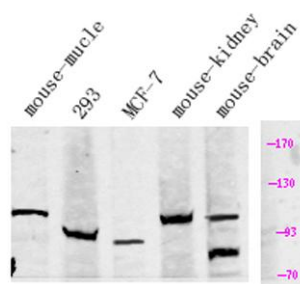
**Western blot analysis of KCNQ5 Antibody. The lane on the right is blocked with the KCNQ5 peptide.**



**Western blot analysis of the lysates from COLO205 cells using KCNQ5 antibody.**



**Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma.** 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).



**Western Blot analysis of Various cells using primary antibody at 1:1000 dilution 4°C, overnight.** Secondary antibody(catalog#:RS23920) was diluted at 1:10000 25°C, 1.5hours