

## KCNQ5 Rabbit pAb

CatalogNo: YT2460

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse

#### Applications

- WB, ELISA, IHC

#### MW

- 100-110kD (Observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

**WB 1:500-2000**

**IHC 1:50-300**

**ELISA 1:2000-20000**

### Storage

#### Storage\*

-15°C to -25°C/1 year (Do not lower than -25°C)

#### Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Basic Information

#### Clonality

Polyclonal

### Immunogen Information

#### Immunogen

The antiserum was produced against synthesized peptide derived from human KCNQ5. AA range: 637-686

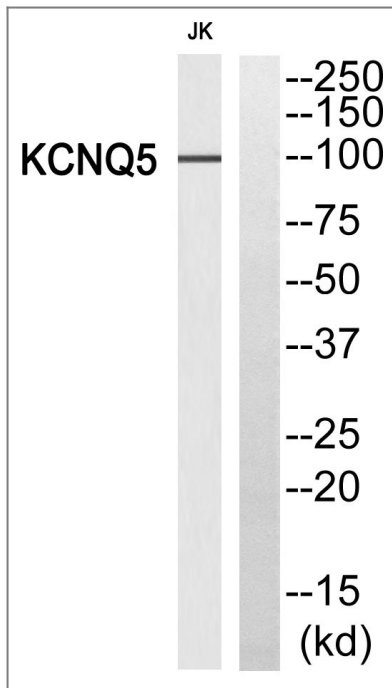
#### Specificity

KCNQ5 Polyclonal Antibody detects endogenous levels of KCNQ5 protein.

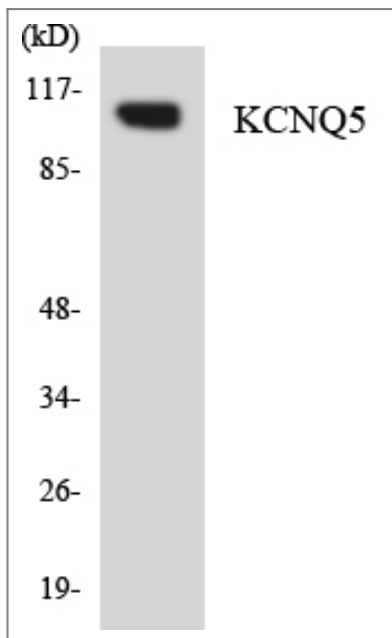
### Target Information

|                       |  |                          |                          |
|-----------------------|--|--------------------------|--------------------------|
| Gene name             | KCNQ5  |                          |                          |
| Protein Name          | Potassium voltage-gated channel subfamily KQT member 5   |                          |                          |
|                       | Organism   | Gene ID                  | UniProt ID               |
|                       | Human  | <a href="#">56479</a> ;  | <a href="#">Q9NR82</a> ; |
|                       | Mouse  | <a href="#">226922</a> ; | <a href="#">Q9JK45</a> ; |
| Cellular Localization | Cell membrane ; Multi-pass membrane protein .  |                          |                          |
| Tissue specificity    | Strongly expressed in brain and skeletal muscle. In brain, expressed in cerebral cortex, occipital pole, frontal lobe and temporal lobe. Lower levels in hippocampus and putamen. Low to undetectable levels in medulla, cerebellum and thalamus.  |                          |                          |
| Function              | <p>Domain:The segment S4 is probably the voltage-sensor and is characterized by a series of positively charged amino acids at every third position.,Function:Probably important in the regulation of neuronal excitability. Associates with KCNQ3 to form a potassium channel which contributes to M-type current, a slowly activating and deactivating potassium conductance which plays a critical role in determining the subthreshold electrical excitability of neurons. May contribute, with other potassium channels, to the molecular diversity of an heterogeneous population of M-channels, varying in kinetic and pharmacological properties, which underlie this physiologically important current. Insensitive to tetraethylammonium, but inhibited by barium, linopirdine and XE991. Activated by niflumic acid and the anticonvulsant retigabine. Muscarine suppresses KCNQ5 current in Xenopus oocytes in which cloned KCNQ5 channels were coexpressed with M(1) muscarinic receptors.,similarity:Belongs to the potassium channel family. KQT subfamily.,subunit:Heteromultimer with KCNQ3.,tissue specificity:Strongly expressed in brain and skeletal muscle. In brain, expressed in cerebral cortex, occipital pole, frontal lobe and temporal lobe. Lower levels in hippocampus and putamen. Low to undetectable levels in medulla, cerebellum and thalamus.,</p> |                          |                          |

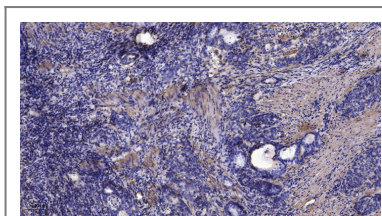
| Validation Data



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).

## Contact information

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Please scan the QR code  
to access additional  
product information:  
**KCNQ5 Rabbit pAb**

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