

For Research Use Only

# KCNQ5 Polyclonal antibody, PBS Only

Catalog Number: 28000-1-PBS



## Basic Information

**Catalog Number:**

28000-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG27622

**GenBank Accession Number:**

NM\_001160130

**GeneID (NCBI):**

56479

**UNIPROT ID:**

Q9NR82

**Full Name:**

potassium voltage-gated channel, KQT-like subfamily, member 5

**Calculated MW:**

102 kDa

**Observed MW:**

100 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

WB, IP, Indirect ELISA

**Species Specificity:**

human, mouse, rat

## Background Information

Potassium voltage-gated channel subfamily Q member 5 (KCNQ5, also known as Kv7.5 and MRD46) is widely expressed in the brain and generates M-type current. It has a role in the regulation of neuronal excitability (PMID: 10816588). KCNQ5 mutations are associated with increased excitability and decreased repolarization reserve, lead to pathophysiology (PMID: 28669405).

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS Only

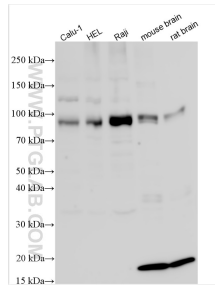
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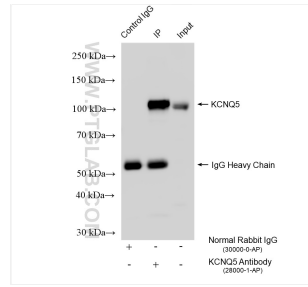
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28000-1-AP (KCNQ5 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 28000-1-PBS in a different storage buffer formulation.



IP result of anti-KCNQ5 (IP:28000-1-AP, 4ug; Detection:28000-1-AP 1:500) with Raji cells lysate 1600 ug. This data was developed using the same antibody clone with 28000-1-PBS in a different storage buffer formulation.