

# KCNS3 Rabbit Polyclonal Antibody



CAB7906

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

56kDa

### Calculated MW:

56kDa

### Applications:

WB IHC

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein Background

Voltage-gated potassium channels form the largest and most diversified class of ion channels and are present in both excitable and nonexcitable cells. Their main functions are associated with the regulation of the resting membrane potential and the control of the shape and frequency of action potentials. The alpha subunits are of 2 types: those that are functional by themselves and those that are electrically silent but capable of modulating the activity of specific functional alpha subunits. The protein encoded by this gene is not functional by itself but can form heteromultimers with member 1 and with member 2 (and possibly other members) of the Shab-related subfamily of potassium voltage-gated channel proteins. This gene belongs to the S subfamily of the potassium channel family. Alternatively spliced transcript variants encoding the same protein have been found for this gene.

## Immunogen information

### Gene ID:

3790

### Uniprot

Q9BQ31

### Synonyms:

KCNS3; KV9.3

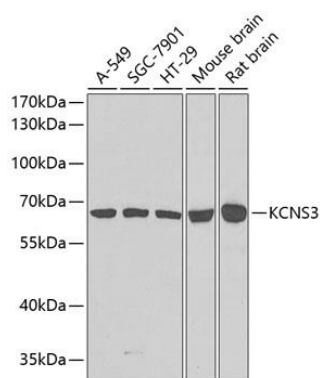
### Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 1-180 of human KCNS3 (NP\_002243.3).

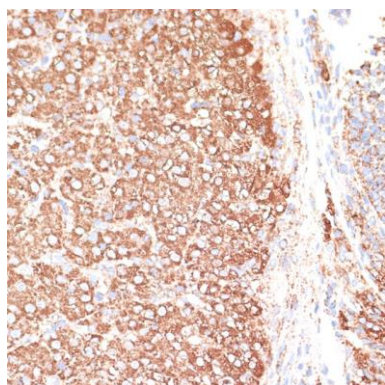
### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

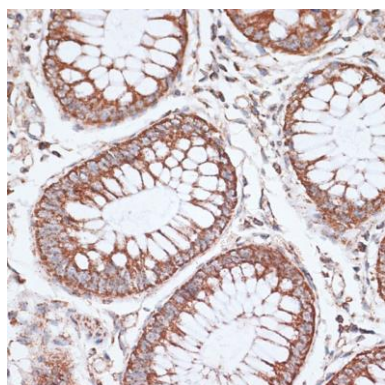
## Product Images



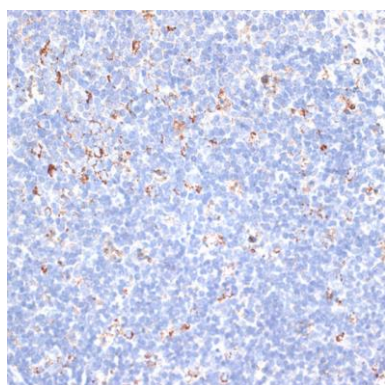
Western blot analysis of extracts of various cell lines, using KCNS3 antibody (CAB7906) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.



Immunohistochemistry of paraffin-embedded rat ovary using KCNS3 antibody (CAB7906) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human colon carcinoma using KCNS3 antibody (CAB7906) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse spleen using KCNS3 antibody (CAB7906) at dilution of 1:100 (40x lens).