

## KCNC3 Antibody

*KCNC3, potassium voltage-gated channel, Shaw-related subfamily, member 3, KSHIID, KV3.3, SCA13, Shaw-related voltage-gated potassium channel protein 3, spinocerebellar ataxia 13, voltage-gated potassium channel protein KV3.3*

**CATALOG NO.: 45-796**

**HOST:**

Goat

**CLONALITY:**

Polyclonal

**INFORMATION:**

KCNC3 Antibody.

**SOURCE:**

KCNC3 antibody was raised against a synthetic peptide of KCNC3.

**PROTEIN ACCESSION NUMBER(S) :**

NP\_004968.2

**SPECIES REACTIVITY:**

Human

**TESTED APPLICATION:**

WB, E

**APPLICATION:**

Peptide ELISA: antibody detection limit dilution 1:32,000.  
Western Blot: Approx 80Da band observed in human brain (Frontal Cortex) lysates (calculated MW of 80.6kDa according to NP\_004968.2). Recommended concentration: 0.3-1µg/ml.

**PURIFICATION:**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

**BUFFER:**

0.1mg of purified antibody in 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.



Western blot analysis of KCNC3 in human brain (Frontal Cortex) lysate (35µg protein in RIPA buffer) using KCNC3 antibody (0.3µg/ml).

**STORAGE:**

Aliquot and store at -20°C. Minimize freezing and thawing.

**REFERENCE:**

Waters MF, Minassian NA, Stevanin G, Figueroa KP, Bannister JP, Nolte D, Mock AF, Evidente VG, Fee DB, Muller U, Durr A, Brice A, Papazian DM, Pulst SM. Mutations in voltage-gated potassium channel KCNC3 cause degenerative and developmental central nervous system disorders.

**USER NOTES:**

When working with antibodies optimal dilutions/concentrations should be determined by the end user for each application. The information provided is a guideline for antibody use. As with all ProSci antibodies, this antibody is for research use only.