



## KCNC3 Antibody

CATALOG NUMBER: 45-796



Western Blot (0.3ug/ml) staining of human brain (Frontal Cortex) lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### Specifications

<b>SPECIES REACTIVITY:</b>	Human
<b>TESTED APPLICATIONS:</b>	ELISA, WB
<b>APPLICATIONS:</b>	ELISA: antibody detection limit dilution 1:32000. Western Blot: Approx 80Da band observed in human brain (Frontal Cortex) lysates (calculated MW of 80.6kDa according to NP_004968.2). Recommended concentration: 0.3-1ug/ml.
<b>POSITIVE CONTROL:</b>	1) Cat. No. 1366 - Human Frontal Lobe Tissue Lysate
<b>IMMUNOGEN:</b>	KCNC3 antibody was raised against a 14 amino acid synthetic peptide near the C-Terminus of KCNC3.
<b>HOST SPECIES:</b>	Goat

### Properties

<b>PURIFICATION:</b>	KCNC3 antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	KCNC3 antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
<b>CONCENTRATION:</b>	500 ug/mL
<b>STORAGE CONDITIONS:</b>	Aliquot and store at -20°C. Minimize freezing and thawing.
<b>CLONALITY:</b>	Polyclonal
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	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
<b>ACCESSION NO.:</b>	NP_004968.2
<b>PROTEIN GI NO.:</b>	24497460
<b>OFFICIAL SYMBOL:</b>	KCNC3

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**GENE ID:** 3748

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### Background

**REFERENCES:** 1) 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 phenotypes. Nat Genet. 2006 Apr;38(4):447-51. Epub 2006 Feb 26.

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**FOR RESEARCH USE ONLY**

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