

Product datasheet for **TA338528**

KCNN3 Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | IHC, WB |
| Recommended Dilution: | IHC, WB |
| Reactivity: | Mouse, Human, Macaque |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | The immunogen for anti-KCNN3 antibody: synthetic peptide directed towards the C terminal of human KCNN3. Synthetic peptide located within the following region: ITELNDRSEDLEKQIGSLESKLEHLTASFNSLPLLIADTLRQQQQQLLSA |
| Formulation: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i> |
| Concentration: | lot specific |
| Purification: | Protein A purified |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 81 kDa |
| Gene Name: | potassium calcium-activated channel subfamily N member 3 |
| Database Link: | NP_002240 Entrez Gene 140493 Mouse Entrez Gene 3782 Human Q9UGI6 |



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Background:

Action potentials in vertebrate neurons are followed by an afterhyperpolarization (AHP) that may persist for several seconds and may have profound consequences for the firing pattern of the neuron. Each component of the AHP is kinetically distinct and is mediated by different calcium-activated potassium channels. This gene belongs to the KCNN family of potassium channels. It encodes an integral membrane protein that forms a voltage-independent calcium-activated channel, which is thought to regulate neuronal excitability by contributing to the slow component of synaptic AHP. This gene contains two CAG repeat regions in the coding sequence. It was thought that expansion of one or both of these repeats could lead to an increased susceptibility to schizophrenia or bipolar disorder, but studies indicate that this is probably not the case. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2011]

Synonyms:

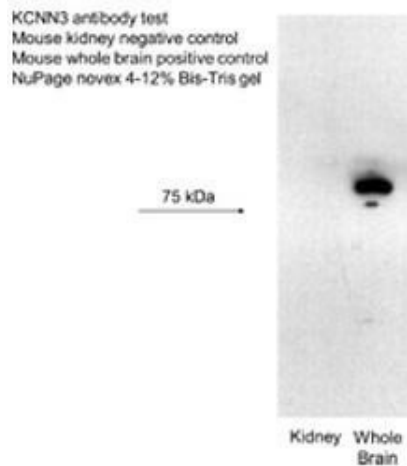
hSK3; KCa2.3; SK3; SKCA3

Note:

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Horse: 93%

Protein Families:

Druggable Genome, Ion Channels: Potassium, Transmembrane

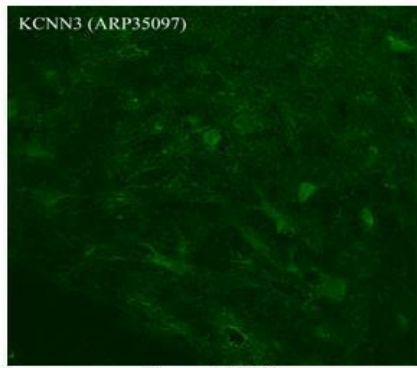
Product images:

KCNN3 antibody - C-terminal region validated by WB using Mouse kidney, Whole brain lysate at 2 ug/ml.



KCNN3

WB Suggested Anti-KCNN3 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:62500; Positive Control: Daudi cell lysate KCNN3 is supported by BioGPS gene expression data to be expressed in Daudi



Green: KCNN3

Sample Type. Rhesus macaque spinal cord
 Primary Antibody Dilution. 1:300
 Secondary Antibody. Donkey anti Rabbit 488
 Secondary Antibody Dilution. 1:500
 Color/Signal Descriptions. Green: KCNN3
 Gene Name. KCNN3
 Submitted by. Timur Mavlyutov, Ph. D., Departm