



Rabbit Anti-KCNC3 antibody

SL2587R

Product Name:	KCNC3
Chinese Name:	离子Channel proteinKv3.3抗体
Alias:	Kv3.3; potassium voltage gated channel, Shaw-related subfamily, member 3; KSHIID; KV3.3; Potassium voltage gated channel subfamily C member 3; SCA13; Shaw related subfamily, member 3; Shaw related voltage gated potassium channel protein 3; Spinocerebellar ataxia 13; Voltage gated potassium channel protein KV3.3; Voltage gated potassium channel subunit Kv3.3.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Cow,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	81kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Kv33:501-600/757
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The Shaker gene family of Drosophila encodes components of voltage-gated potassium channels and is comprised of four subfamilies. Based on sequence similarity, this gene is similar to one of these subfamilies, namely the Shaw subfamily. The protein encoded by

this gene belongs to the delayed rectifier class of channel proteins and is an integral membrane protein that mediates the voltage-dependent potassium ion permeability of excitable membranes. [provided by RefSeq].

Function:

This protein mediates the voltage-dependent potassium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a potassium-selective channel through which potassium ions may pass in accordance with their electrochemical gradient.

Subunit:

Heterotetramer of potassium channel proteins.

Subcellular Location:

Membrane; Multi-pass membrane protein.

DISEASE:

Spinocerebellar ataxia 13 (SCA13) [MIM:605259]: Spinocerebellar ataxia is a clinically and genetically heterogeneous group of cerebellar disorders. Patients show progressive incoordination of gait and often poor coordination of hands, speech and eye movements, due to degeneration of the cerebellum with variable involvement of the brainstem and spinal cord. SCA13 is an autosomal dominant cerebellar ataxia (ADCA) characterized by slow progression and variable age at onset, ranging from childhood to late adulthood. Mental retardation can be present in some patients. Note=The disease is caused by mutations affecting the gene represented in this entry.

Similarity:

Belongs to the potassium channel family. C (Shaw) (TC 1.A.1.2) subfamily. Kv3.3/KCNC3 sub-subfamily.

SWISS:

Q14003

Gene ID:

3748

Database links:

[Entrez Gene: 3748](#)Human

[Entrez Gene: 16504](#)Mouse

[Entrez Gene: 117101](#)Rat

[Omim: 176264](#)Human

[SwissProt: Q14003](#)Human

[SwissProt: Q63959](#)Mouse

[SwissProt: Q01956](#)Rat

[Unigene: 467146](#)Human

[Unigene: 40312](#)Mouse

[Unigene: 9885](#)Rat

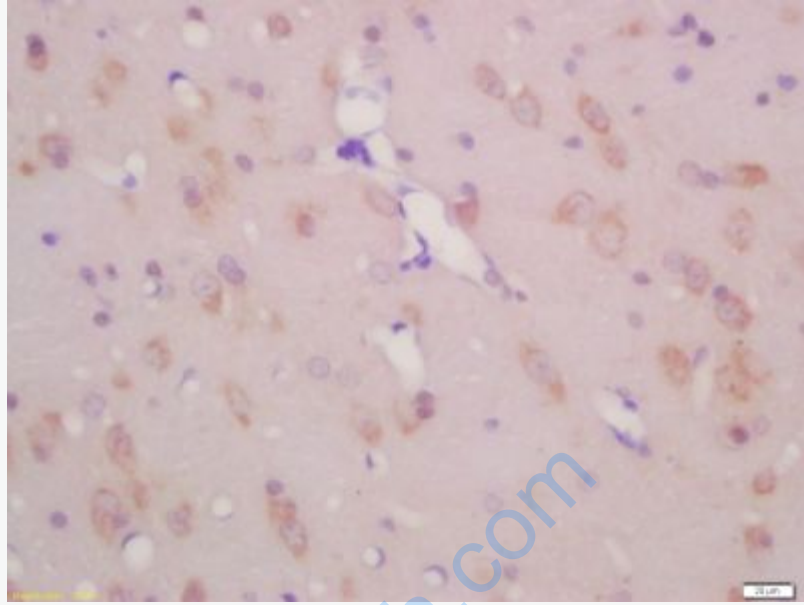
Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Tissue/cell: mouse brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-KCNC3 Polyclonal Antibody, Unconjugated(SL2587R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
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