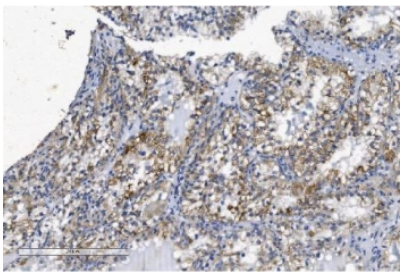
KCNQ5 Antibody (RQ6258)

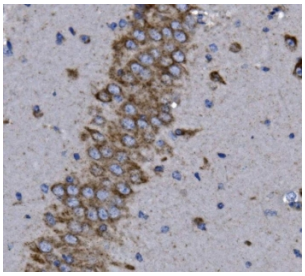
Catalog No.	Formulation	Size
RQ6258	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

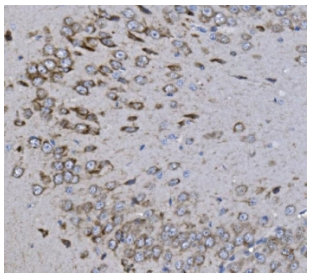
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9NR82
Applications	1-2ug/ml2-5ug/ml0.1-0.5ug/ml
Limitations	This KCNQ5 antibody is available for research use only.



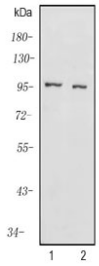
IHC staining of FFPE human renal clear cell carcinoma with KCNQ5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE mouse brain with KCNQ5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat brain with KCNQ5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) PC-3 and 2) HEK293 cell lysate with KCNQ5 antibody. Predicted molecular weight ~102 kDa.

Description

Potassium voltage-gated channel subfamily KQT member 5 is a protein that in humans is encoded by the KCNQ5 gene. This gene is a member of the KCNQ potassium channel gene family that is differentially expressed in subregions of the brain and in skeletal muscle. KCNQ5 is mapped to 6q13. The protein encoded by this gene yields currents that activate slowly with depolarization and can form heteromeric channels with the protein encoded by the KCNQ3 gene. Currents expressed from this protein have voltage dependences and inhibitor sensitivities in common with M-currents. They are also inhibited by M1 muscarinic receptor activation. KCNQ5 has been shown to interact with KvLQT3.

Application Notes

Optimal dilution of the KCNQ5 antibody should be determined by the researcher.

Immunogen

A human recombinant partial protein (amino acids E617-K932) was used as the immunogen for the KCNQ5 antibody.

Storage

After reconstitution, the KCNQ5 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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