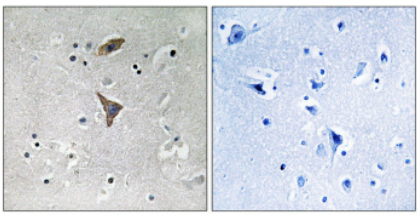
KCNT1 Antibody / Slo2.2 (F55121)

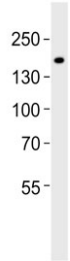
Catalog No.	Formulation	Size
F55121-0.1ML	In 1X PBS, pH 7.4, with 0.09% sodium azide and 50% glycerol	0.1 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
UniProt	Q5JUK3
Applications	Western blot: 1:500-1:1000 Immunohistochemistry (FFPE): 1:50-1:100
Limitations	This KCNT1 antibody is available for research use only.



IHC staining of FFPE human brain tissue with KCNT1 antibody (left) and negative control (right). HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Western blot testing of human brain tissue lysate with KCNT1 antibody. Predicted molecular weight: 137-142 kDa (multiple isoforms) and may be observed at higher molecular weights due to glycosylation.

Description

KCNT1 protein plays a crucial role in regulating the electrical activity of neurons in the brain. Mutations in the KCNT1

gene have been linked to a rare form of epilepsy known as KCNT1-related epilepsy, as well as other neurological conditions such as intellectual disability and developmental delays. Recent studies have also found that this protein may play a role in other diseases, such as autism, schizophrenia, and even certain types of cancer.

Application Notes

The stated application concentrations are suggested starting points. Titration of the KCNT1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 1035-1061 from the human protein was used as the immunogen for the KCNT1 antibody.

Storage

Store the KCNT1 antibody at -20oC.

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