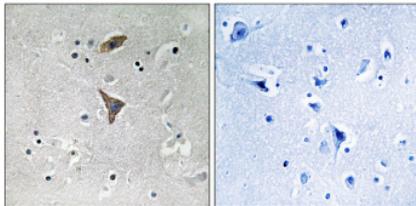


## KCNT1 Antibody / Slo2.2 (F55121)

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](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>UniProt</b>	Q5JUK3
<b>Applications</b>	Western Blot : 1:500-1:1000 Immunohistochemistry (FFPE) : 1:50-1:100
<b>Limitations</b>	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.