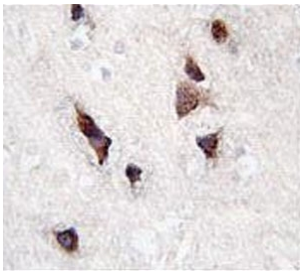
KCNIP3 Antibody / Calsenilin / KChIP3 (F54703)

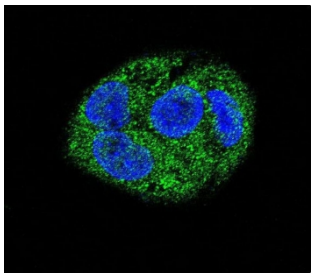
Catalog No.	Formulation	Size
F54703-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54703-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q9Y2W7
Localization	Cytoplasmic, nuclear
Applications	Immunofluorescence : 1:25 Immunohistochemistry (FFPE) : 1:25 Western Blot : 1:500-1:2000
Limitations	This KCNIP3 antibody is available for research use only.



IHC testing of FFPE human brain tissue with KCNIP3 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of human HepG2 cells with KCNIP3 antibody (green) and DAPI nuclear stain (blue).

Western blot testing of mouse heart tissue lysate with KCNIP3 antibody. Predicted molecular weight ~29 kDa.

Description

KChIP3 is a member of the family of voltage-gated potassium (Kv) channel-interacting proteins (KCNIPs), which belong to the recoverin branch of the EF-hand superfamily. Members of the KCNIP family are small calcium binding proteins. They all have EF-hand-like domains, and differ from each other in the N-terminus. They are integral subunit components of native Kv4 channel complexes. They may regulate A-type currents, and hence neuronal excitability, in response to changes in intracellular calcium. This protein is also shown to function as a calcium-regulated transcriptional repressor, and to interact with presenilins. Mutations in the presenilin genes have been implicated in Alzheimer's disease. Due to utilization of an alternate in-frame translation start codon, the gene for this protein encodes two isoforms with different sizes.

Application Notes

The stated application concentrations are suggested starting points. Titration of the KCNIP3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 1-30 from the human protein was used as the immunogen for the KCNIP3 antibody.

Storage

Aliquot the KCNIP3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.