

## KCNIP3 Polyclonal Antibody

**catalog number:** E-AB-19200

**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

### Description

|                     |                                                                                    |
|---------------------|------------------------------------------------------------------------------------|
| <b>Reactivity</b>   | Human;Mouse;Rat                                                                    |
| <b>Immunogen</b>    | Fusion protein of human KCNIP3                                                     |
| <b>Host</b>         | Rabbit                                                                             |
| <b>Isotype</b>      | Rabbit IgG                                                                         |
| <b>Purification</b> | Antigen affinity purification                                                      |
| <b>Buffer</b>       | Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol. |

### Applications

### Recommended Dilution

|     |            |
|-----|------------|
| IHC | 1:50-1:100 |
|-----|------------|

### Data



Immunohistochemistry of paraffin-embedded Human brain tissue using KCNIP3 Polyclonal Antibody at dilution of 1:90(×200)

### Preparation & Storage

|                 |                                                                                                          |
|-----------------|----------------------------------------------------------------------------------------------------------|
| <b>Storage</b>  | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.                                          |
| <b>Shipping</b> | The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended. |

### Background

This gene encodes a member of the family of voltage-gated potassium (Kv) channel-interacting proteins, which belong to the recoverin branch of the EF-hand superfamily. Members of this family are small calcium binding proteins containing EF-hand-like domains. They are integral subunit components of native Kv4 channel complexes that may regulate A-type currents, and hence neuronal excitability, in response to changes in intracellular calcium. The encoded protein also functions as a calcium-regulated transcriptional repressor, and interacts with presenilins. Alternatively spliced transcript variants encoding different isoforms have been described. KCNIP3 (Potassium Voltage-Gated Channel Interacting Protein 3) is a Protein Coding gene. Diseases associated with KCNIP3 include Alzheimer Disease. Among its related pathways are Cardiac conduction and Development Ligand-independent activation of ESR1 and ESR2. GO annotations related to this gene include calcium ion binding and transcription corepressor activity. An important paralog of this gene is KCNIP4.

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