



# KCHIP1 rabbit pAb

Cat No.:ES5735

For research use only

## Overview

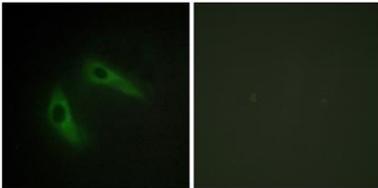
|                                 |   |
|---------------------------------|---|
| <b>Product Name</b>             | KCHIP1 rabbit pAb   |
| <b>Host species</b>             | Rabbit  |
| <b>Applications</b>             | IHC;IF;ELISA  |
| <b>Species Cross-Reactivity</b> | Human;Mouse;Rat   |
| <b>Recommended dilutions</b>    | Immunohistochemistry: 1/100 - 1/300.<br>Immunofluorescence: 1/200 - 1/1000. ELISA:<br>1/20000. Not yet tested in other applications.  |
| <b>Immunogen</b>                | The antiserum was produced against synthesized peptide derived from human KCIP1. AA range:1-50  |
| <b>Specificity</b>              | KCHIP1 Polyclonal Antibody detects endogenous levels of KCHIP1 protein.   |
| <b>Formulation</b>              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.   |
| <b>Storage</b>                  | Store at -20°C. Avoid repeated freeze-thaw cycles.  |
| <b>Protein Name</b>             | Kv channel-interacting protein 1  |
| <b>Gene Name</b>                | KCNIP1  |
| <b>Cellular localization</b>    | Cell membrane ; Peripheral membrane protein .<br>Cytoplasm . Cell projection, dendrite .  |
| <b>Purification</b>             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.   |
| <b>Clonality</b>                | Polyclonal  |
| <b>Concentration</b>            | 1 mg/ml   |
| <b>Observed band</b>            |   |
| <b>Human Gene ID</b>            | 30820   |
| <b>Human Swiss-Prot Number</b>  | Q9NZI2  |
| <b>Alternative Names</b>        | KCNIP1; KCHIP1; VABP; Kv channel-interacting protein 1; KCHIP1; A-type potassium channel modulatory protein 1; Potassium channel-interacting protein 1; Vesicle APC-binding protein |
| <b>Background</b>               | This gene encodes a member of the family of cytosolic voltage-gated potassium (Kv)  |





channel-interacting proteins (KCNIPs), which belong to the neuronal calcium sensor (NCS) family of the calcium binding EF-hand proteins. They associate with Kv4 alpha subunits to form native Kv4 channel complexes. The encoded protein may regulate rapidly inactivating (A-type) currents, and hence neuronal membrane excitability, in response to changes in the concentration of intracellular calcium. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2013],

Immunofluorescence analysis of HeLa cells, using KCIP1 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using KCIP1 Antibody. The picture on the right is blocked with the synthesized peptide.

