

KChIP1 Rabbit pAb

CatalogNo: YT2452

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- IHC, IF, ELISA

MW

- 27kD (Calculated)

Isotype

- IgG

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

IHC 1:100-1:300

IF 1:200-1:1000

ELISA 1:20000

Not yet tested in other applications.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

The antiserum was produced against synthesized peptide derived from human KCIP1. AA range:1-50

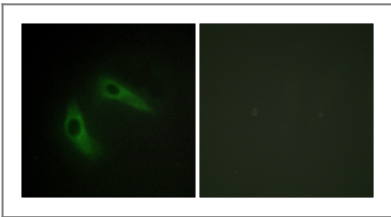
Specificity

KChIP1 Polyclonal Antibody detects endogenous levels of KChIP1 protein.

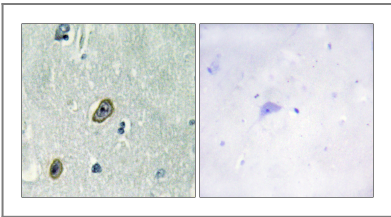
Target Information

Gene name	KCIP1		
Protein Name	Kv channel-interacting protein 1		
	Organism	Gene ID	UniProt ID
	Human	30820 ;	Q9NZI2 ;
	Mouse	70357 ;	Q9JJ57 ;
	Rat	65023 ;	Q8R426 ;
Cellular Localization	Cell membrane ; Peripheral membrane protein . Cytoplasm . Cell projection , dendrite .		
Tissue specificity	Isoform 1 and isoform 2 are expressed in brain and kidney. Isoform 1 is also expressed in liver , pancreas , skeletal muscle , small intestine and testis. Isoform 2 is also expressed in lung , pancreas , leukocytes , prostate and thymus.		
Function	Function:Regulatory subunit of Kv4/D (Shal) -type voltage-gated rapidly inactivating A-type potassium channels. Probably modulates channels density , inactivation kinetics and rate of recovery from inactivation in a calcium-dependent and isoform-specific manner. In vitro , modulates KCND1/Kv4.1 and KCND2/Kv4.2 currents. Seems to be involved in KCND2 trafficking to the cell surface. ,similarity:Belongs to the recoverin family. ,similarity:Contains 4 EF-hand domains. ,subunit:Component of heteromultimeric potassium channels. Interacts with KCND3 and the N-terminal domain of KCND2. Probably part of a complex consisting of KCIP1 , KCIP2 isoform 3 and KCND2. Can self-associate to form homodimers and homotetramers. Interacts with KCIP2 isoform 3 in a calcium-dependent manner. Interacts with Naja atra venom CTX3. ,tissue specificity:Isoform 1 and isoform 2 are expressed in brain and kidney. Isoform 1 is also expressed in liver , pancreas , skeletal muscle , small intestine and testis. Isoform 2 is also expressed in lung , pancreas , leukocytes , prostate and thymus. ,		

| Validation Data



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.

| Contact information

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Please scan the QR code
to access additional
product information:
KCHIP1 Rabbit pAb

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