

KChIP2 Polyclonal Antibody | anti-KChIP2 antibody

Anti-KChIP2 Antibody

CATALOG # AAA46335	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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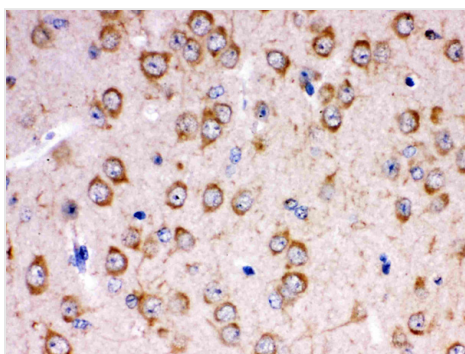
PRODUCT SYNONYMS

KChIP2; Polyclonal Antibody; Anti-KChIP2 Antibody; Kv channel-interacting protein 2; A type potassium channel modulatory protein 2; A-type potassium channel modulatory protein 2; Cardiac voltage gated potassium channel modulatory subunit; Cardiac voltage-gated potassium channel modulatory subunit; DKFZp566L1246; KChIP 2; KCIP2_HUMAN; KCNIP 2; Kcnip2; Kv channel interacting protein 2; MGC17241; Potassium channel interacting protein 2; Potassium channel-interacting protein 2; anti-KChIP2 antibody

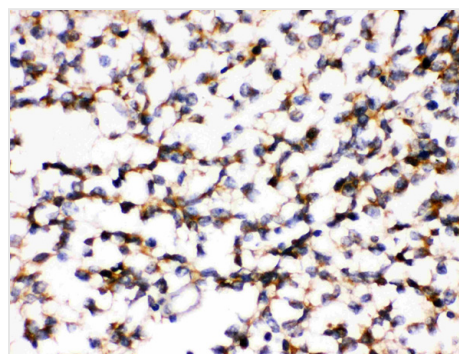
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	285
Applicable Applications for anti-KChIP2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human KChIP2 (78-112aa DEFELSTVCHRPEGLEQLQEQTkFTRKELQVLYR), different from the related mouse and rat sequences by one amino acid.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

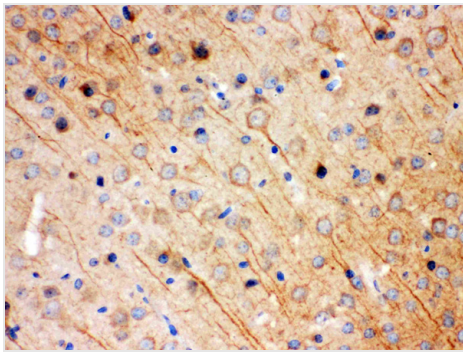
IMAGES


IHC (Immunohistochemistry)

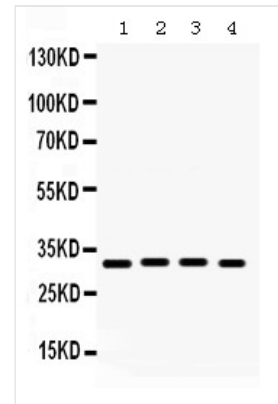
Anti- KCNIP2 Picoband antibody, AAA46335,IHC(P)IHC(P): Rat Brain Tissue


IHC (Immunohistochemistry)

Anti- KCNIP2 Picoband antibody, AAA46335,IHC(P)IHC(P): Human Glioma Tissue



IHC (Immunohistochemistry)
Anti- KCNIP2 Picoband antibody, AAA46335,IHC(P)IHC(P): Mouse Brain Tissue



WB (Western Blot)
Anti- KCNIP2 Picoband antibody, AAA46335, Western blottingAll lanes: Anti KCNIP2 (AAA46335) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Rat Cardiac Muscle Tissue Lysate at 50ugLane 3: Mouse Cardiac Muscle Tissue Lysate at 50ugLane 4: 22RV1 Whole Cell Lysate at 40ugPredicted bind size: 31KDObserved bind size: 31KD

ADDITIONAL INFORMATION

Related Product Information for anti-KCHIP2 antibody	Description: Rabbit IgG polyclonal antibody for Kv channel-interacting protein 2(KCNIP2) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: Kv channel-interacting protein 2 also known as KCHIP2 is a protein that in humans is encoded by the KCNIP2 gene. 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 the KCNIP family are small calcium binding proteins. They all have EF-hand-like domains, and differ from each other in the N-terminus. And 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. Alternative splicing results in multiple transcript variant encoding different isoforms.
References	1. An WF, Bowlby MR, Betty M, Cao J, Ling HP, Mendoza G, Hinson JW, Mattsson KI, Strassle BW, Trimmer JS, Rhodes KJ (Feb 2000). "Modulation of A-type potassium channels by a family of calcium sensors". Nature 403(6769): 553-6. 2. Burgoyne RD (2007). "Neuronal calcium sensor proteins: generating diversity in neuronal Ca2+ signalling". Nat. Rev. Neurosci. 8 (3): 182-93.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361460
NCBI GeneID	30819
NCBI Accession #	NP_055406.2
NCBI GenBank Nucleotide #	NM_014591.4
UniProt Accession #	Q9NS61; Q3YAC6; Q3YAC8; Q3YAC9; Q7Z6F1; Q96K86; Q96T41; Q96T42; Q96T43; Q96T44; A6NJE5; A8MQ75
Molecular Weight	21,401 Da
NCBI Official Full Name	Kv channel-interacting protein 2 isoform 1
NCBI Official Synonym Full Names	potassium voltage-gated channel interacting protein 2
NCBI Official Symbol	KCNIP2
NCBI Official Synonym Symbols	KCHIP2
NCBI Protein Information	Kv channel-interacting protein 2
UniProt Protein Name	Kv channel-interacting protein 2
UniProt Gene Name	KCNIP2

UniProt Synonym Gene Names	KCHIP2; KChIP2
UniProt Entry Name	KCIP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/kchip2-antibody-immunohistochemistry-western-blot-elisa/46335>