

anti-Human, Mouse KCND1 Polyclonal Antibody | anti-KCND1 antibody

Anti-KCND1 Antibody

CATALOG # AAA46397	REACTIVITY Human, Mouse	APPLICATIONS Western Blot
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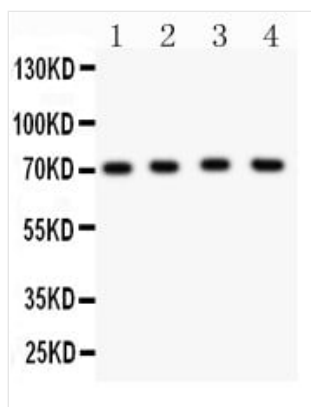
PRODUCT SYNONYMS

KCND1; Polyclonal Antibody; Anti-KCND1 Antibody; Potassium voltage-gated channel subfamily D member 1; Kcnd1; KCND1_HUMAN; Kv4.1; mShal; OTTHUMP00000025805; OTTHUMP00000025806; Potassium voltage gated channel Shal related subfamily member 1; Potassium voltage gated channel subfamily D member 1; Shal type potassium channel; Voltage gated potassium channel Kv4.1; Voltage gated potassium channel subunit Kv4.1; Voltage-gated potassium channel subunit Kv4.1; potassium voltage-gated channel; Shal-related subfamily; member 1; anti-KCND1 antibody

PRODUCT SPECIFICATIONS

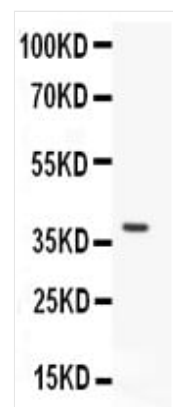
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	647
Applicable Applications for anti-KCND1 antibody	WB (Western Blot)
Immunogen	E Coli-derived human KCND1 recombinant protein (Position: T442-L647). Human KCND1 shares 90% amino acid (aa) sequence identity with mouse KCND1.
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



WB (Western Blot)

Anti- KCND1 Picoband antibody, AAA46397, Western blottingAll lanes: Anti KCND1 (AAA46397) at 0.5ug/mlLane 1: Mouse Brain Tissue Lysate at 50ugLane 2: HELA Whole Cell Lysate at 40ugLane 3: COLO320 Whole Cell Lysate at 40ugLane 4: A549 Whole Cell Lysate at 40ugPredicted bind size: 71KDObserved bind size: 71KD



WB (Western Blot)

Anti- KCND1 Picoband antibody, AAA46397, Western blottingAll lanes: Anti KCND1 (AAA46397) at 0.5ug/mlWB: Recombinant Human KCND1 Protein 0.5ngPredicted bind size: 39KDObserved bind size: 39KD

ADDITIONAL INFORMATION

Related Product Information for anti-KCND1 antibody	Description: Rabbit IgG polyclonal antibody for Potassium voltage-gated channel subfamily D member 1(KCND1) detection. Tested with WB in Human;Mouse. Background: Potassium voltage-gated channel, Shal-related subfamily, member 1 (KCND1), also known as Kv4.1, is a human gene. It is mapped to Xp11.23. KCND1 encodes a member of the potassium channel, voltage-gated, shal-related subfamily, members of which form voltage-activated A-type potassium ion channels and are prominent in the repolarization phase of the action potential. The diverse functions of Voltage-gated potassium (Kv) channels include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. In addition to that, KCND1 is expressed at moderate levels in all tissues analyzed, with lower levels in skeletal muscle.
References	1. "Entrez Gene: KCND1 potassium voltage-gated channel, Shal-related subfamily, member 1" 2. Isbrandt, D., Leicher, T., Waldschutz, R., Zhu, X., Luhmann, U., Michel, U., Sauter, K., Pongs, O. Gene structures and expression profiles of three human KCND (Kv4) potassium channels mediating A-type currents I(to) and I(sa). Genomics 64: 144-154, 2000.

NCBI AND UNIPROT INFORMATION

NCBI GI #	27436981
NCBI GeneID	3750
NCBI Accession #	NP_004970.3
NCBI GenBank Nucleotide #	NM_004979.5
UniProt Accession #	Q9NSA2; O75671; A6NEF1; B2RCG0
Molecular Weight	28,860 Da
NCBI Official Full Name	potassium voltage-gated channel subfamily D member 1
NCBI Official Synonym Full Names	potassium voltage-gated channel subfamily D member 1
NCBI Official Symbol	KCND1
NCBI Official Synonym Symbols	KV4.1
NCBI Protein Information	potassium voltage-gated channel subfamily D member 1
UniProt Protein Name	Potassium voltage-gated channel subfamily D member 1
UniProt Gene Name	KCND1
UniProt Entry Name	KCND1_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.