Rabbit anti-Human, Rat KCND2 Polyclonal Antibody | anti-KCND2 antibody

KCND2 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA280173	**Rabbit**	**Human, Rat**	**Immunohistochemistry, Western Blot**

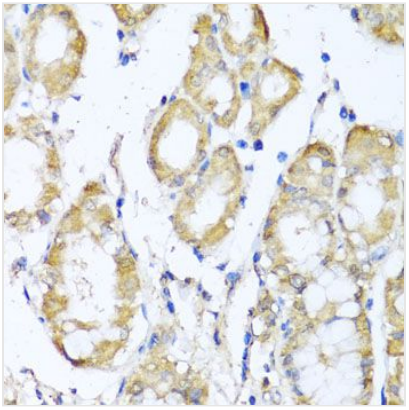
PRODUCT SYNONYMS

KCND2; Polyclonal Antibody; KCND2 Polyclonal Antibody; RK5; KV4.2; anti-KCND2 antibody

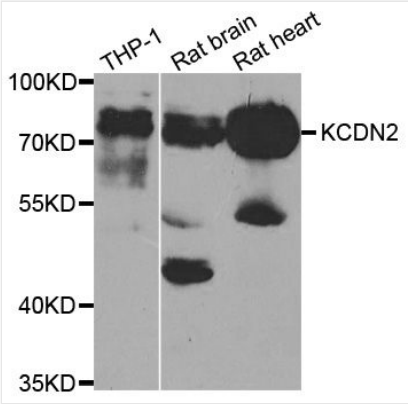
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	630
Applicable Applications for anti-KCND2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human KCND2
Calculated Molecular Weight	70kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded human stomach using KCND2 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using KCND2 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-KCND2 antibody	Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. Four sequence-related potassium channel genes - shaker, shaw, shab, and shal - have been identified in Drosophila, and each has been shown to have human homolog(s). This gene 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. This member mediates a rapidly inactivating, A-type outward potassium current which is not under the control of the N terminus as it is in Shaker channels.
Product Categories/Family for anti-KCND2 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	38258257
NCBI GeneID	3751
UniProt Accession #	Q9NZV8; O95012; O95021; Q2TBD3; Q9UBY7; Q9UN98; Q9UNH9
Molecular Weight	630
NCBI Official Full Name	Potassium voltage-gated channel subfamily D member 2
NCBI Official Synonym Full Names	potassium voltage-gated channel, Shal-related subfamily, member 2
NCBI Official Symbol	KCND2
NCBI Official Synonym Symbols	RK5; KV4.2
NCBI Protein Information	potassium voltage-gated channel subfamily D member 2; voltage-sensitive potassium channel; voltage-gated potassium channel subunit Kv4.2
UniProt Protein Name	Potassium voltage-gated channel subfamily D member 2
UniProt Gene Name	**KCND2**
UniProt Synonym Gene Names	KIAA1044
UniProt Entry Name	KCND2_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://stage.aaabiotech.com/polyclonal/kcnd2-antibody-immunohistochemistry-western-blot-elisa/280173