

Rabbit KCNK10 Polyclonal Antibody | anti-KCNK10 antibody

KCNK10 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329049	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(100%)	ELISA

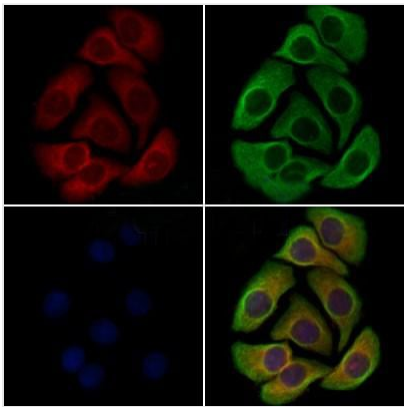
PRODUCT SYNONYMS

KCNK10; Polyclonal Antibody; KCNK10 Antibody; 2P domain potassium channel TREK2; K2p10.1; KCNKA_HUMAN; Outward rectifying potassium channel protein TREK 2; Outward rectifying potassium channel protein TREK-2; Potassium channel subfamily K member 10; Potassium channel TREK 2; TREK 2; TREK 2 K; TREK 2 K(+) channel subunit; TREK-2 K(+) channel subunit; TREK2; TWIK related K+ channel 2; anti-KCNK10 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	KCNK10 Antibody detects endogenous levels of total KCNK10.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	538
Applicable Applications for anti-KCNK10 antibody	ELISA
Immunogen	A synthesized peptide derived from human KCNK10, corresponding to a region within C-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



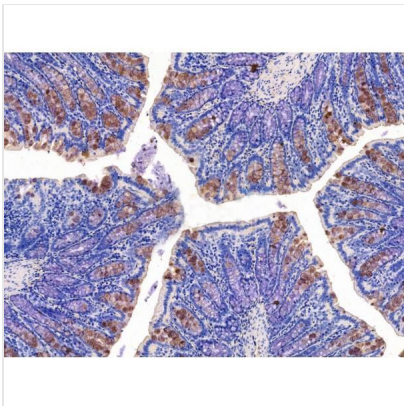
IF (Immunofluorescence)

AAA329049 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA329049 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



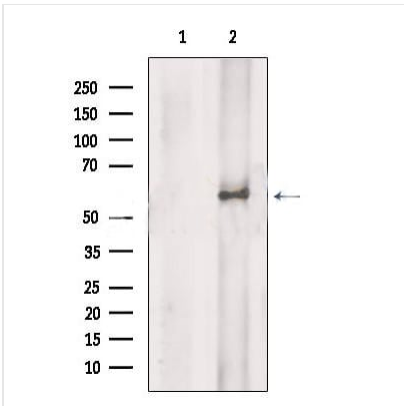
IHC (Immunohistochemistry)

AAA329049 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

AAA329049 at 1/100 staining Rat colorectal tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Hybridoma cells, using KCNK10 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-KCNK10 antibody	Function: Outward rectifying potassium channel. Produces rapidly activating and non-inactivating outward rectifier K(+) currents. Activated by arachidonic acid and other naturally occurring unsaturated free fatty acids.
	Subcellular Location: Membrane>Multi-pass membrane protein.
	Tissue Specificity: Abundantly expressed in pancreas and kidney and to a lower level in brain, testis, colon, and small intestine. Isoform b is strongly expressed in kidney (primarily in the proximal tubule) and pancreas, whereas isoform c is abundantly expressed in brain.
	Similarity: Belongs to the two pore domain potassium channel (TC 1.A.1.8) family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10863961
NCBI GeneID	54207
NCBI Accession #	NP_066984.1

NCBI GenBank Nucleotide #	NP_066984.1
UniProt Accession #	P57789
Molecular Weight	Observed Molecular Weight: (Observed)59kD. Predicted Molecular Weight: (Calculated)60kDa.
NCBI Official Full Name	potassium channel subfamily K member 10 isoform 1
NCBI Official Synonym Full Names	potassium two pore domain channel subfamily K member 10
NCBI Official Symbol	KCNK10
NCBI Official Synonym Symbols	TREK2; TREK-2; K2p10.1; PPP1R97
NCBI Protein Information	potassium channel subfamily K member 10
UniProt Protein Name	Potassium channel subfamily K member 10
UniProt Gene Name	KCNK10
UniProt Synonym Gene Names	TREK2

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/kcnk10-antibody-elisa/329049>