

Rabbit KCNK9 Polyclonal Antibody | anti-KCNK9 antibody

KCNK9 Antibody

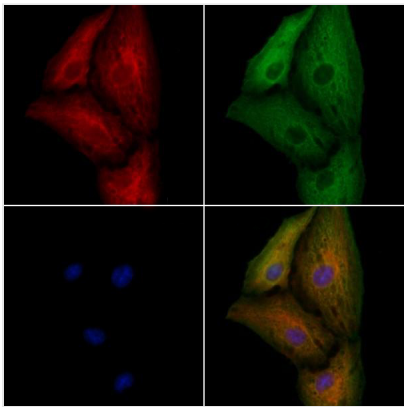
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31225	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Rabbit(100%), Chicken(83%), Xenopus(83%)	ELISA

PRODUCT SYNONYMS

KCNK9; Polyclonal Antibody; KCNK9 Antibody; Acid sensitive potassium channel protein TASK 3; K2p9.1; KT3.2; MGC138268; MGC138270; Potassium channel TASK3; Potassium channel; subfamily K; member 9 (TASK 3); member 9; TASK 3; TWIK related acid sensitive K+ channel 3; anti-KCNK9 antibody

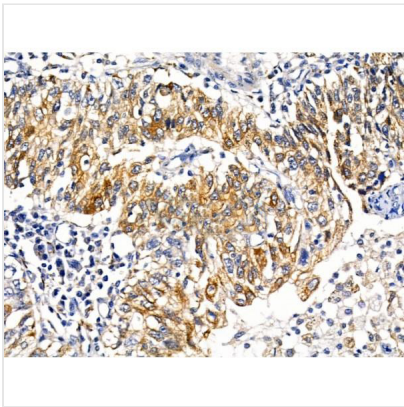
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Rabbit(100%), Chicken(83%), Xenopus(83%)
Clonality	Polyclonal
Isotype	IgG
Specificity	KCNK9 Antibody detects endogenous levels of total KCNK9.
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	374
Applicable Applications for anti-KCNK9 antibody	ELISA
Application Notes	WB: 1:500-1:2000 IF: 1:100-1:500 ICC: 1:100-1:500 IHC: 1:50-1:200 ELISA(peptide): 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human KCNK9, corresponding to a region within N-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



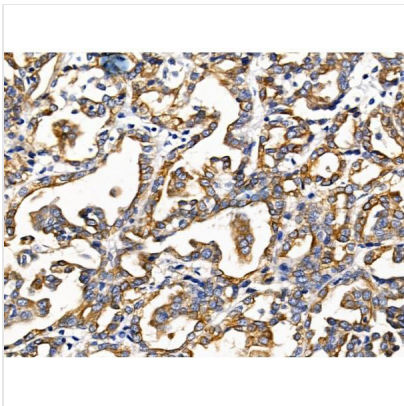
IF (Immunofluorescence)

AAA31225 staining A549 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(AAA31225) and mouse anti-beta tubulin Ab(T0023) 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).



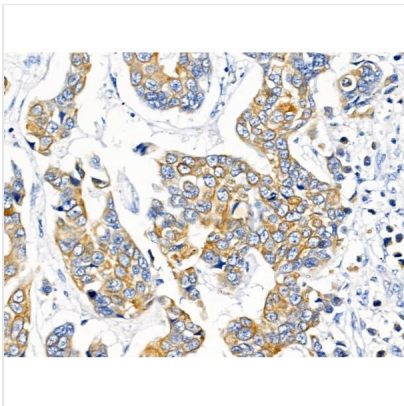
IHC (Immunohistochemistry-Paraffin)

AAA31225 at 1/100 staining Human pancreatic cancer 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.



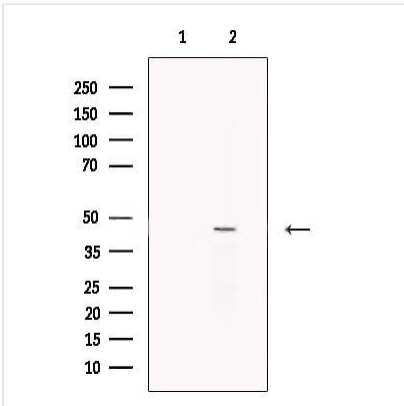
IHC (Immunohistochemistry-Paraffin)

AAA31225 at 1/100 staining Human kidney cancer 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.



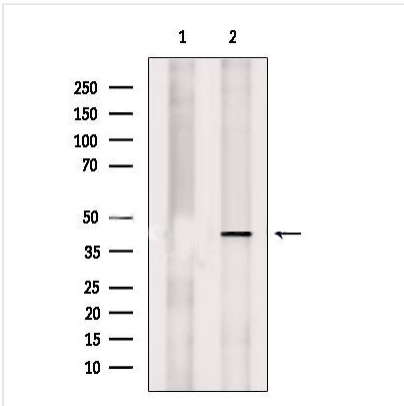
IHC (Immunohistochemistry-Paraffin)

AAA31225 at 1/100 staining Human mammary cancer 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 HepG2 cells, using KCNK9 Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)

Western blot analysis of extracts from PC12, using KCNK9 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-KCNK9 antibody	Function: pH-dependent, voltage-insensitive, background potassium channel protein.
	Subcellular Location: Cell membrane>Multi-pass membrane protein.
	Tissue Specificity: Mainly found in the cerebellum. Also found in adrenal gland, kidney and lung.
	Subunit Structure: Homodimer (Probable). Heterodimer with KCNK1.
	Similarity: Belongs to the two pore domain potassium channel (TC 1.A.1.8) family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	542133161
NCBI GeneID	51305
NCBI Accession #	NP_001269463.1
NCBI GenBank Nucleotide #	NP_001269463.1
UniProt Accession #	Q9NPC2
Molecular Weight	Observed Molecular Weight: (Observed)42kD. Predicted Molecular Weight: (Calculated)42kDa.
NCBI Official Full Name	potassium channel subfamily K member 9
NCBI Official Synonym Full Names	potassium two pore domain channel subfamily K member 9
NCBI Official Symbol	KCNK9
NCBI Official Synonym Symbols	KT3.2; TASK3; K2p9.1; TASK-3
NCBI Protein Information	potassium channel subfamily K member 9
UniProt Protein Name	Potassium channel subfamily K member 9
UniProt Gene Name	KCNK9
UniProt Synonym Gene Names	TASK3; Two pore K(+) channel KT3.2

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.