

Rabbit KCNN3 Polyclonal Antibody | anti-KCNN3 antibody

KCNN3 Antibody

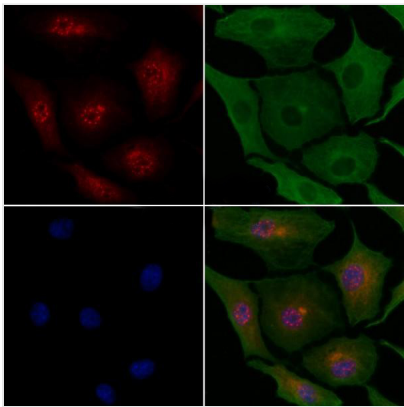
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328889	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(100%)	ELISA, Western Blot

PRODUCT SYNONYMS

KCNN3; Polyclonal Antibody; KCNN3 Antibody; hSK3; KCa2.3; Kcnn3; KCNN3_HUMAN; Potassium calcium activated channel subfamily N member 3; Potassium channel calcium activated intermediate/small conductance subfamily N alpha member 3; Potassium channel; calcium activated; intermediate/small conductance; subfamily N; member 3; Potassium intermediate/small conductance calcium activated channel subfamily N member 3; SK3; SKCa 3; SKCa3; Small conductance calcium-activated potassium channel protein 3; anti-KCNN3 antibody

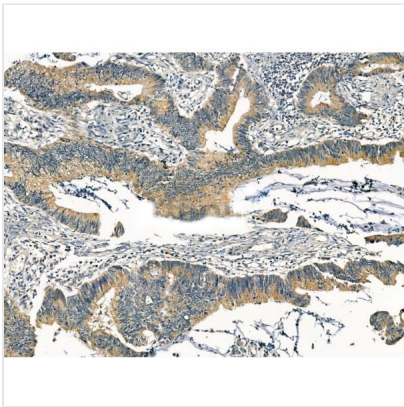
PRODUCT SPECIFICATIONS

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	KCNN3 Antibody detects endogenous levels of total KCNN3.
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	746
Applicable Applications for anti-KCNN3 antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human KCNN3, 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.



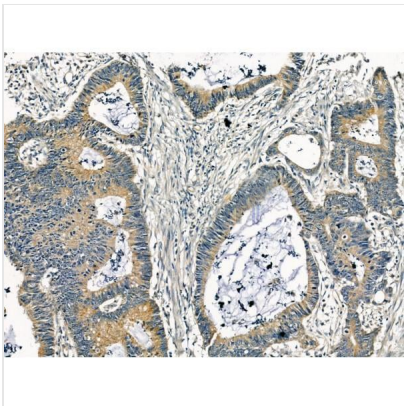
IF (Immunofluorescence)

AAA328889 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(AAA328889) 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).



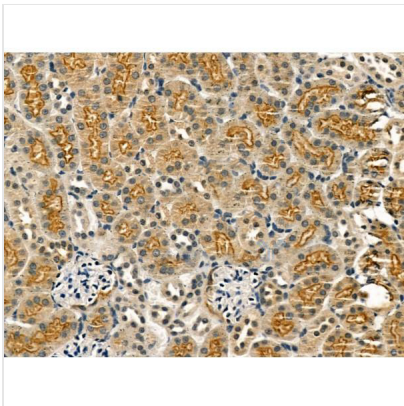
IHC (Immunohistochemistry)

AAA328889 at 1/100 staining Human colorectal 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.



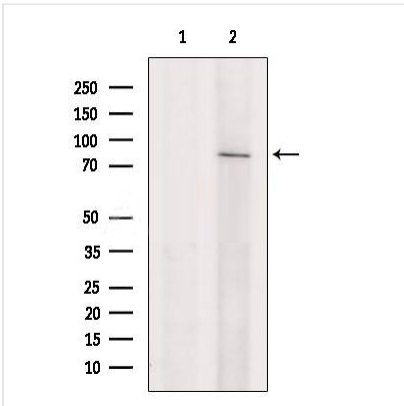
IHC (Immunohistochemistry)

AAA328889 at 1/100 staining Human colorectal 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)

AAA328889 at 1/100 staining Mouse kidney 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 3T3, using KCNN3. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-KCNN3 antibody	Function: Forms a voltage-independent potassium channel activated by intracellular calcium. Activation is followed by membrane hyperpolarization. Thought to regulate neuronal excitability by contributing to the slow component of synaptic afterhyperpolarization. The channel is blocked by apamin. Subcellular Location: Membrane>Multi-pass membrane protein. Subunit Structure: Heterooligomer. The complex is composed of 4 channel subunits each of which binds to a calmodulin subunit which regulates the channel activity through calcium-binding (By similarity). Similarity: Belongs to the potassium channel KCNN family. KCa2.3/KCNN3 subfamily.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	323276683
NCBI GeneID	3782
NCBI Accession #	NP_001191016.1
NCBI GenBank Nucleotide #	NP_001191016.1
UniProt Accession #	Q9UGI6
Molecular Weight	Observed Molecular Weight: (Observed)82kD. Predicted Molecular Weight: (Calculated)81kDa.
NCBI Official Full Name	small conductance calcium-activated potassium channel protein 3 isoform c
NCBI Official Synonym Full Names	potassium calcium-activated channel subfamily N member 3
NCBI Official Symbol	KCNN3
NCBI Official Synonym Symbols	SK3; ZLS3; hSK3; SKCA3; KCa2.3
NCBI Protein Information	small conductance calcium-activated potassium channel protein 3
UniProt Protein Name	Small conductance calcium-activated potassium channel protein 3
UniProt Gene Name	KCNN3
UniProt Synonym Gene Names	K3; SK3; SKCa 3; SKCa3
UniProt Entry Name	KCNN3_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/kcnn3-antibody-western-blot-elisa/328889>