

KCNN4 Polyclonal Antibody

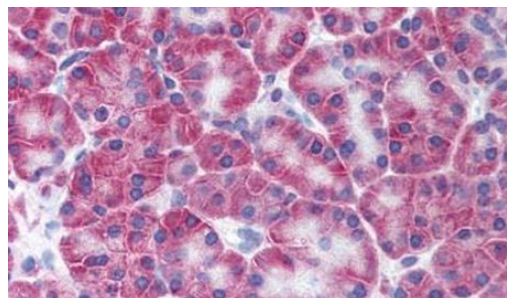
Product Details	
Size	50 µg
Species Reactivity	Bovine, Human, Mouse
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic 14 amino acid peptide from N-Terminus of human KCNN4.
Form	Liquid
Concentration	0.71 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS
Contains	0.1% sodium azide
Storage conditions	Maintain refrigerated at 2-8°C for up to 1 month. For long term storage store at -20°C
RRID	AB_2551244

Applications	Tested Dilution	Publications
Western Blot (WB)	1:2,000	2 Publications
Immunohistochemistry (IHC)	-	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	10 µg/mL	-
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication

Product Specific Information

Percent identity with other species by BLAST analysis: Human, Gorilla, Bovine (100%) Marmoset, Panda, Dog, Rabbit, Pig (93%) Mouse, Rat, Guinea pig (86%).

Product Images For KCNN4 Polyclonal Antibody

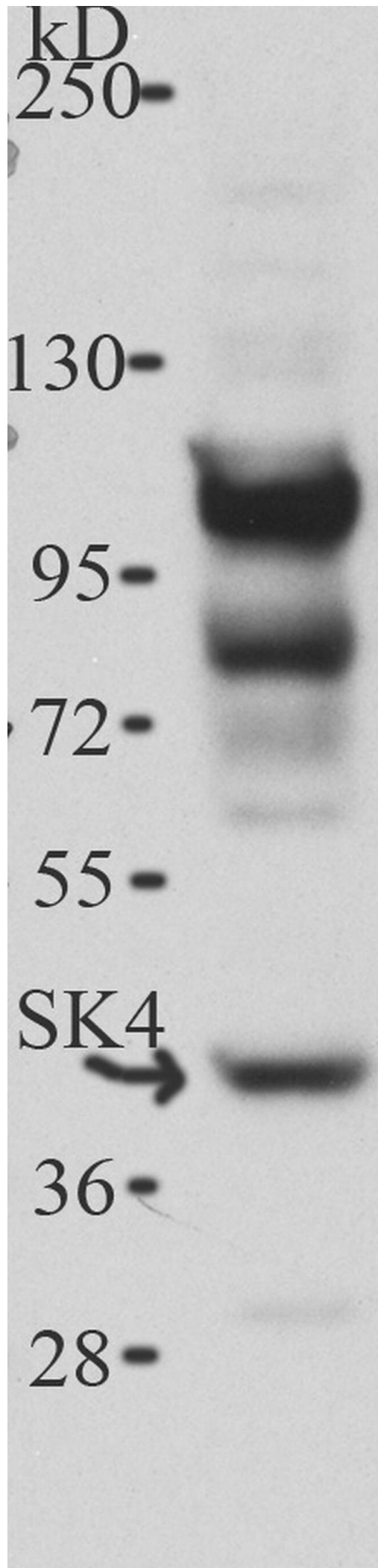


KCNN4 Antibody (PA5-33875) in IHC (P)

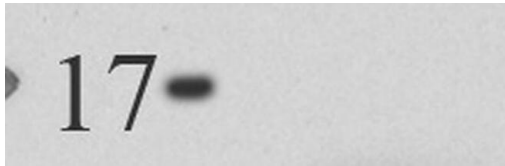
Immunohistochemical analysis of formalin-fixed paraffin-embedded human pancreas using a KCNN4/KCa3.1 polyclonal antibody (Product # PA5-33875). Heat-induced antigen retrieval was performed prior to staining.

KCNN4 Antibody (PA5-33875) in WB

Western blot analysis of KCNN4/KCa3.1/SK4 was performed by loading whole cell lysates from mouse kidney mCCDcl1 cells onto a 4-20% Tris-Glycine



polyacrylamide gel. Proteins were transferred to PVDF membrane using the G2 Fast Blotter (Product # 62288) and blocked with 3% non-fat milk for at least 1 hour at room temperature. SK4 was detected using a SK4 polyclonal antibody (Product # PA5-33875) at a dilution of 1:2000 in blocking buffer overnight at 4°C on a rocking platform, followed by a goat anti-rabbit IgG-HRP secondary antibody (Product # A16104) at a dilution of 1:2,000 for at least 1 hour at room temperature. Chemiluminescent detection was performed using SuperSignal West Pico (Product # 34078) and the myECL Imager (Product # 62236). Note: Data courtesy of our Innovators Program.



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5 References

Western Blot (2)

<p>American journal of physiology. Renal physiology</p> <p>Caveolae facilitate TRPV4-mediated Ca²⁺ signaling and the hierarchical activation of Ca²⁺-activated K⁺ channels in K⁺-secreting renal collecting duct cells.</p> <p>"Published figure using KCNN4 polyclonal antibody (Product # PA5-33875) in Western Blot"</p> <p>Authors: Li Y,Hu H,O'Neil RG</p>	<p>Year 2018</p>
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<p>PloS one</p> <p>Expression of a Diverse Array of Ca²⁺-Activated K⁺ Channels (SK1/3, IK1, BK) that Functionally Couple to the Mechanosensitive TRPV4 Channel in the Collecting Duct System of Kidney.</p> <p>"Published figure using KCNN4 polyclonal antibody (Product # PA5-33875) in Western Blot"</p> <p>Authors: Li Y,Hu H,Butterworth MB,Tian JB,Zhu MX,O'Neil RG</p>	<p>Year 2017</p>
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Immunohistochemistry (2)

<p>Journal of clinical medicine</p> <p>Comparison of the Effect of Oral Versus Intravenous Bisphosphonate Administration on Osteoclastogenesis in Advanced-Stage Medication-Related Osteonecrosis of the Jaw Patients.</p> <p>"Published figure using KCNN4 polyclonal antibody (Product # PA5-33875) in Immunohistochemistry"</p> <p>Authors: Kim HW, Lee MW, Lee JH, Kim MY</p>	<p>Year 2021</p>
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<p>Acta neuropathologica communications</p> <p>Human neuronal changes in brain edema and increased intracranial pressure.</p> <p>"Published figure using KCNN4 polyclonal antibody (Product # PA5-33875) in Immunofluorescence"</p> <p>Authors: Faragó N,Kocsis ÁK,Braskó C,Lovas S,Rózsa M,Baka J,Kovács B,Mikite K,Szemenyei V,Molnár G,Ozsvár A, Oláh G,Piszár I,Zvara Á,Patócs A,Barzó P,Puskás LG,Tamás G</p>	<p>Year 2016</p> <p>Species Human</p> <p>Dilution 1:100</p>
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IHC (F) (1)

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