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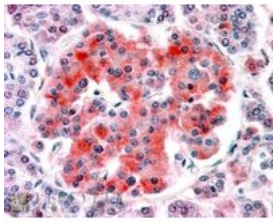
KCNJ11 Antibody

CATALOG NUMBER: 46-680

Western blot analysis of KCNJ11 in human skeletal muscle lysate (35 ug protein in RIPA buffer) using KCNJ11 Antibody at 0.01 ug/mL.



Immunohistochemistry staining of KCNJ11 in human pancreas using KCNJ11 Antibody at 3.8 ug/mL.

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, IHC, WB
APPLICATIONS:	ELISA: Antibody detection limit dilution 1:64000. Western Blot: Approximately 45 kDa band observed in human skeletal muscle lysates (calculated MW of 43.6 kDa according to NP_034732.1). Recommended concentration: 0.01-0.03 ug/mL. Immunohistochemistry: In paraffin embedded human pancreas shows variable staining across the islet of Langerhans. Recommended concentration, 3-5 ug/mL.
POSITIVE CONTROL:	1) Cat. No. 1375 - Human Skeletal Muscle Tissue Lysate
IMMUNOGEN:	KCNJ11 antibody was raised against a 13 amino acid synthetic peptide near the internal region (near the N-Terminus) of KCNJ11.
HOST SPECIES:	Goat

Properties

PURIFICATION:	KCNJ11 antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
PHYSICAL STATE:	Liquid
BUFFER:	KCNJ11 antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
CONCENTRATION:	500 ug/mL
STORAGE CONDITIONS:	Aliquot and store at -20˚C. Minimize freezing and thawing.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	KCNJ11, potassium inwardly-rectifying channel, subfamily J, member 11, mBIR, AI842722, AW491124, Kir6.2, potassium inwardly rectifying channel, KATP, KATP channel, BIR, HHF2, PHHI, IKATP, TNDM3, KIR6.2
ACCESSION NO.:	NP_034732.1
PROTEIN GI NO.:	6754426

OFFICIAL SYMBOL:	Kcnj11
GENE ID:	3767

Background

REFERENCES:	1) Filosa JA, Bonev AD, Straub SV, Meredith AL, Wilkerson MK, Aldrich RW, Nelson MT. Local potassium signaling couples neuronal activity to vasodilation in the brain. Nat Neurosci. 2006 Nov;9(11):1397-1403.

FOR RESEARCH USE ONLY

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