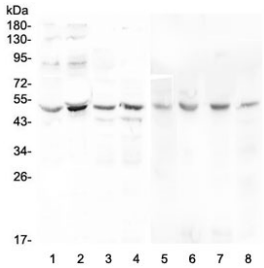
KCNN4 Antibody (RQ4583)

Catalog No.	Formulation	Size
RQ4583	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	O15554
Applications	Western blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml (human recombinant protein)



Western blot testing of human 1) Caco-2, 2) PC-3, 3) A549, 4) HeLa, 5) rat stomach, 6) rat testis, 7) mouse testis and 8) mouse liver lysate with KCNN4 antibody at 0.5ug/ml. Predicted molecular weight ~48 kDa.

Description

Intermediate conductance calcium-activated potassium channel protein 1 (KCNN4, Kca3.1) is part of a potentially heterotetrameric voltage-independent potassium channel that is activated by intracellular calcium. Activation is followed by membrane hyperpolarization, which promotes calcium influx. KCNN4 may be part of the predominant calcium-activated potassium channel in T-lymphocytes. This gene is similar to other KCNN family potassium channel genes, but it differs enough to possibly be considered as part of a new subfamily.

Application Notes

Optimal dilution of the KCNN4 antibody should be determined by the researcher.

Immunogen

Amino acids K309-Q364 from the human protein were used as the immunogen for the KCNN4 antibody.

Storage

After reconstitution, the KCNN4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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