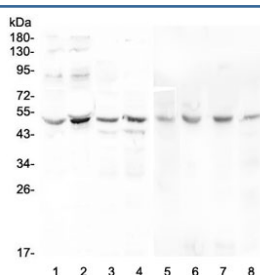


KCNN4 Antibody (RQ4583)

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
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 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.