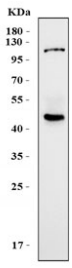
KCa3.1 Antibody / KCNNA4 / SKCa4 (RQ7087)

Catalog No.	Formulation	Size
RQ7087	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
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
UniProt	O15554
Applications	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This KCa3.1 antibody is available for research use only.



Western blot testing of human placental tissue lysate with KCa3.1 antibody. 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 KCa3.1 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids M1-A400) was used as the immunogen for the KCa3.1 antibody.

Storage

After reconstitution, the KCa3.1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.