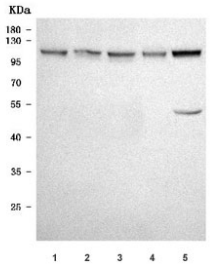
TRPC7 Antibody / Short transient receptor potential channel 7 (RQ7570)

Catalog No.	Formulation	Size
RQ7570	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, 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
UniProt	Q9HCX4
Applications	Western blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This TRPC7 antibody is available for research use only.



Western blot testing of 1) human SH-SY5Y, 2) human U-87 MG, 3) human U-251, 4) human SK-N-SH and 5) rat C6 cell lysate with TRPC7 antibody. Expected molecular weight ~100 kDa.

Description

Transient receptor potential cation channel, subfamily C, member 7, also known as TRPC7, is a human gene encoding a protein of the same name. Using a cosmid/BAC contig, this gene is mapped to chromosome 21q22.3. TRPC7 is the most abundantly expressed long TRPC in peripheral blood and in some blood cell lines. The protein encoded by this gene is a calcium-permeable cation channel that is regulated by free intracellular ADP-ribose. The encoded protein is activated by oxidative stress and confers susceptibility to cell death.

Application Notes

Optimal dilution of the TRPC7 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids R489-I862) was used as the immunogen for the TRPC7 antibody.

Storage

After reconstitution, the TRPC7 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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