BT LAB
Bioassay Technology Laboratory
Optimize Your Research

PRKACA Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2772
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human PRKACA (AA: 1-120) expressed in E. Coli.
Mol wt	40.6kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	Others
Concentration	N/A
Full name	N/A
Synonyms	PKACA

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

cAMP is a signaling molecule important for a variety of cellular functions. cAMP exerts its effects by activating the cAMP-dependent protein kinase, which transduces the signal through phosphorylation of different target proteins. The inactive kinase holoenzyme is a tetramer composed of two regulatory and two catalytic subunits. cAMP causes the dissociation of the inactive holoenzyme into a dimer of regulatory subunits bound to four cAMP and two free monomeric catalytic subunits. Four different regulatory subunits and three catalytic subunits have been identified in humans. The protein encoded by this gene is a member of the Ser/Thr protein kinase family and is a catalytic subunit of cAMP-dependent protein kinase. Alternatively spliced transcript variants encoding distinct isoforms have been observed.

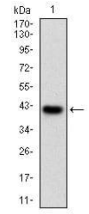
Recommended Dilution

WB: 1:500 - 1:2000

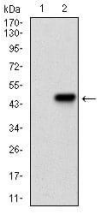
ELISA: 1:10000

Not yet tested in other applications.

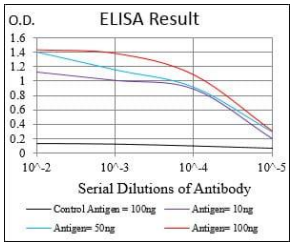
Images



Western blot analysis using PRKACA mAb against human PRKACA (AA: 1-120) recombinant protein. (Expected MW is 39.7 kDa)



Western blot analysis using PRKACA mAb against HEK293 (1) and PRKACA (AA: 1-120)-hIgGFc transfected HEK293 (2) cell lysate.



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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