PRKACB Antibody

Catalog No: #32772

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	PRKACB Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB IHC IF
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total PRKACB protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human PRKACB.
Target Name	PRKACB
Other Names	PKACB;
Accession No.	Swiss-Prot:P22694NCBI Gene ID:5567
SDS-PAGE MW	40KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

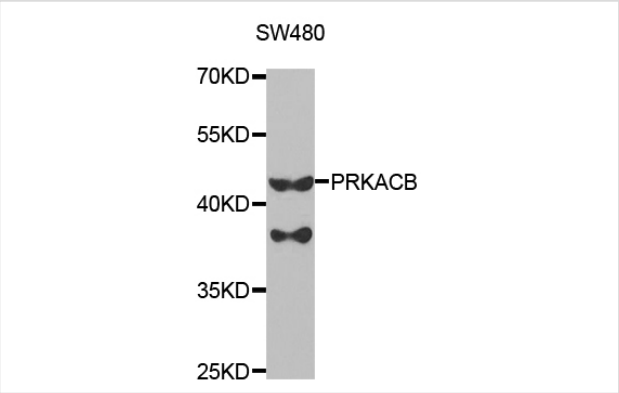
Application Details

Western blotting: 1:500 - 1:2000

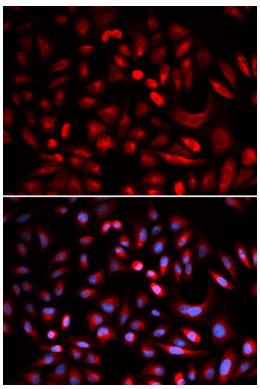
Immunohistochemistry: 1:50 - 1:200

Immunofluorescence: 1:50 - 1:200

Images



Western blot analysis of extracts of SW480 cell line, using PRKACB antibody.



Immunofluorescence analysis of U2OS cell using PRKACB antibody. Blue: DAPI for nuclear staining.

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. Several alternatively spliced transcript variants encoding distinct isoforms have been observed.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.