

Datasheet for ABIN5009168

**anti-PRKACB antibody (pThr198) (AbBy Fluor® 750)**[Go to Product page](#)

## Overview

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                  |
| Target:              | PRKACB                                                                                                  |
| Binding Specificity: | pThr198                                                                                                 |
| Reactivity:          | Human, Rat                                                                                              |
| Host:                | Rabbit                                                                                                  |
| Clonality:           | Polyclonal                                                                                              |
| Conjugate:           | This PRKACB antibody is conjugated to AbBy Fluor® 750                                                   |
| Application:         | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic phosphopeptide derived from human PRKACB around the phosphorylation site of Thr198 |
| Isotype:              | IgG                                                                                                         |
| Cross-Reactivity:     | Human, Rat                                                                                                  |
| Predicted Reactivity: | Mouse,Dog,Cow,Pig,Chicken                                                                                   |
| Purification:         | Purified by Protein A.                                                                                      |

## Target Details

|         |        |
|---------|--------|
| Target: | PRKACB |
|---------|--------|

## Target Details

Alternative Name: PRKACB ([PRKACB Products](#))

Background: Synonyms: PKA alpha + beta Thr198, C alpha, cAMP dependent protein kinase beta catalytic subunit, cAMP dependent protein kinase alpha catalytic subunit, cAMP dependent protein kinase catalytic subunit alpha, cAMP dependent protein kinase catalytic subunit beta, Cs, PKA, PKA C, PKA C alpha, PKA C beta, PKACA, PKACB, PRKACA, PRKACB, Protein kinase cAMP dependent catalytic alpha, Protein kinase cAMP dependent catalytic beta, Protein kinase cAMP dependent catalytic beta isoform a, Protein kinase cAMP dependent catalytic beta isoform b. Background: PRKACA and PRKACB are members of the Ser/Thr protein kinase family and are a catalytic subunit of cAMP-dependent protein kinase. 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. PKA alpha + beta (catalytic subunits) (phospho Thr198)

Gene ID: 5567

Pathways: [AMPK Signaling](#), [Hedgehog Signaling](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Thyroid Hormone Synthesis](#), [Myometrial Relaxation and Contraction](#), [M Phase](#), [G-protein mediated Events](#), [Interaction of EGFR with phospholipase C-gamma](#), [Lipid Metabolism](#)

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months                                                                                                          |