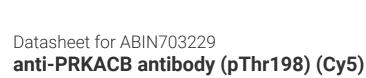
## antibodies .- online.com







Overview	
Quantity:	100 μL
Target:	PRKACB
Binding Specificity:	pThr198
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRKACB antibody is conjugated to Cy5
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 + betaThr198, 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.

## 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