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anti-PRKAR1A antibody (C-Term)





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Overview	
Quantity:	100 μL
Target:	PRKAR1A
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse, Cow, Sheep, Chicken, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRKAR1A antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunochromatography (IC)
Product Details	
Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human PRKAR1A.
Specificity:	Recognizes endogenous levels of PRKAR1A protein.
Characteristics:	Rabbit polyclonal antibody to PRKAR1A
Purification:	The antibody was purified by immunogen affinity chromatography.
Target Details	
Target:	PRKAR1A
Alternative Name:	PRKAR1A (PRKAR1A Products)
Background:	PKR1, PRKAR1, TSE1, cAMP-dependent protein kinase type I-alpha regulatory subunit, Tissue-

Target Details

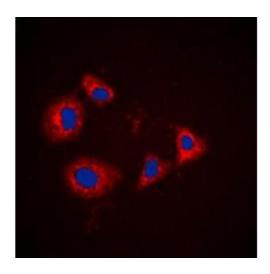
	specific extinguisher 1, TSE1
Gene ID:	5573, 19084, 25725
UniProt:	P10644, Q9DBC7, P09456
Pathways:	Hedgehog Signaling, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Myometrial Relaxation and Contraction, G-protein mediated Events, Interaction of EGFR with phospholipase C-gamma

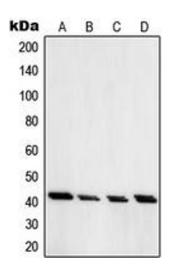
Application Details

Application Notes:	WB (1:500 - 1:1000), IF/IC (1:100 - 1:500)
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months





Immunofluorescence

Image 1. Immunofluorescent analysis of PRKAR1A staining in HT29 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Western Blotting

Image 2. Western blot analysis of PRKAR1A expression in Jurkat (A), HT29 (B), H1299 (C), A549 (D) whole cell lysates.