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Anti-PRKAR1A Antibody

Rabbit polyclonal antibody to PRKAR1A
Catalog # AP59669

Product Information

Application	WB, IF/IC
Primary Accession	P10644
Other Accession	Q9DBC7
Reactivity	Human, Mouse, Rat, Pig, Chicken, Bovine, SARS
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42982

Additional Information

Gene ID	5573
Other Names	PKR1; PRKAR1; TSE1; cAMP-dependent protein kinase type I-alpha regulatory subunit; Tissue-specific extinguisher 1; TSE1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human PRKAR1A. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

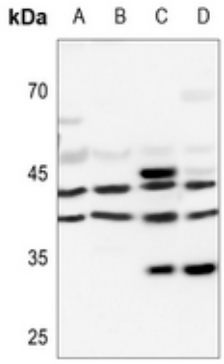
Protein Information

Name	PRKAR1A
Synonyms	PKR1, PRKAR1, TSE1
Function	Regulatory subunit of the cAMP-dependent protein kinases involved in cAMP signaling in cells.
Cellular Location	Cell membrane.
Tissue Location	Four types of regulatory chains are found: I-alpha, I-beta, II-alpha, and II-beta. Their expression varies among tissues and is in some cases constitutive and in others inducible

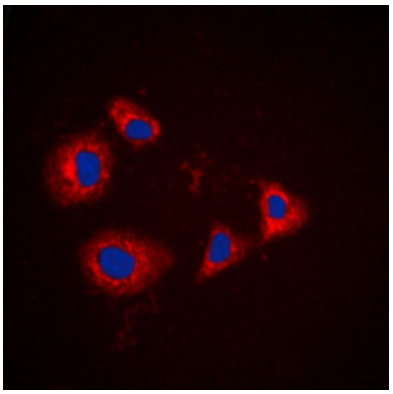
Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human PRKAR1A. The exact sequence is proprietary.

Images



Western blot analysis of PRKAR1A expression in HEK293T (A), MCF7 (B), mouse testis (C), rat testis (D) whole cell lysates.



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).