

Rabbit PRKAR1A Polyclonal Antibody | anti-PRKAR1A antibody

Anti-PRKAR1A Antibody (C-Terminus)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162368	Rabbit	Human Predicted: Chicken, Sheep, Bovine, Rat, Pig, Mouse	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry

PRODUCT SYNONYMS

PRKAR1A; Polyclonal Antibody; Anti-PRKAR1A Antibody (C-Terminus); Rabbit Polyclonal to Human PRKAR1A; ADOHR; CNC; ACRDYS1; TSE1; PRKAR1; Tissue specific extinguisher 1; Tissue-specific extinguisher 1; CAR; CNC1; PKR1; PPNAD1; anti-PRKAR1A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted: Chicken, Sheep, Bovine, Rat, Pig, Mouse
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of PRKAR1A protein. Not tested for cross reactivity with PRKAR1B.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, pH 7.3, 0.01% sodium azide, 30% glycerol.
Sequence Length	381
Applicable Applications for anti-PRKAR1A antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-terminal region of human PRKAR1A.
Conjugation	Unconjugated
Epitope	C-Terminus
Preparation and Storage	Store at -20 degree C. Aliquot to avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

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



IF (Immunofluorescence)

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).



IHC (Immunohistochemistry)
Human Testis: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

Related Product Information for anti-PRKAR1A antibody	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.
Product Categories/Family for anti-PRKAR1A antibody	Protein Kinase Non catalytic; CAMP

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506063
NCBI GeneID	5573
NCBI Accession #	NP_002725.1
NCBI GenBank Nucleotide #	NM_002734.4
UniProt Accession #	P10644; Q567S7; K7ER48
Molecular Weight	38,003 Da
NCBI Official Full Name	cAMP-dependent protein kinase type I-alpha regulatory subunit isoform a
NCBI Official Synonym Full Names	protein kinase cAMP-dependent type I regulatory subunit alpha
NCBI Official Symbol	PRKAR1A
NCBI Official Synonym Symbols	CAR; CNC; CNC1; PKR1; TSE1; ADOHR; PPNAD1; PRKAR1; ACRDYS1
NCBI Protein Information	cAMP-dependent protein kinase type I-alpha regulatory subunit
UniProt Protein Name	cAMP-dependent protein kinase type I-alpha regulatory subunit
UniProt Gene Name	PRKAR1A
UniProt Synonym Gene Names	PKR1; PRKAR1; TSE1; TSE1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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