Rabbit anti-Human PRKAR2A/PKA-RIIalpha Polyclonal Antibody | anti-PRKAR2A/PKA-RIIalpha antibody

Rabbit anti-PRKAR2A/PKA-RIIalpha Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211584	**Rabbit**	**Human**	**Immunohistochemistry, Immunoprecipitation, Western Blot**

PRODUCT SYNONYMS

PRKAR2A/PKA-RIIalpha; Polyclonal Antibody; Rabbit anti-PRKAR2A/PKA-RIIalpha Antibody; Affinity Purified; cAMP-dependent protein kinase regulatory subunit RII alpha; cAMP-dependent protein kinase type II-alpha regulatory subunit; PKR2; PRKAR2; protein kinase A; RII-alpha subunit; protein kinase; cAMP-dependent; regulatory subunit type II alpha; protein kinase cAMP-dependent type II regulatory subunit alpha; anti-PRKAR2A/PKA-RIIalpha antibody

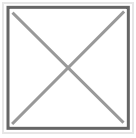
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Concentration	200ug/ml (varies by lot)
Applicable Applications for anti-PRKAR2A/PKA-RIIalpha antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 50 and 100
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES

WB (Western Blot)
Detection of human PRKAR2A/PKA-RIIalpha by western blot. Samples: Whole cell lysate from HeLa (5, 15 and 50 ug) and HEK293T (T; 50 ug) cells. Antibodies: Affinity purified rabbit anti-PRKAR2A/PKA-RIIalpha antibody AAA211584 (lot AAA211584-1) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with exposure time of 30 seconds.

IP (Immunoprecipitation)
Detection of human PRKAR2A/PKA-RIIalpha by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP, 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-PRKAR2A/PKA-RIIalpha antibody AAA211584 (lot AAA211584-1) used for IP at 3 ug/mg lysate. PRKAR2A/PKA-RIIalpha was also immunoprecipitated by rabbit anti-PRKAR2A/PKA-RIIalpha antibody BL6393, which recognizes a downstream epitope. For blotting immunoprecipitated PRKAR2A/PKA-RIIalpha, AAA211584 was used at 1.0 ug/ml. Detection: Chemiluminescence with exposure time of 30 seconds.



IHC (Immunohistochemistry)
Detection of human PRKAR2A/PKA-RIIalpha by immunohistochemistry. Sample: FFPE section of human colon carcinoma. Antibody: Affinity purified rabbit anti-PRKAR2A/PKA-RIIalpha (Cat. No. AAA211584 lot 1) used at a dilution of 1:200 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-PRKAR2A/PKA-RIIalpha antibody	PRKAR2A/PKA-RIIalpha (cAMP-dependent protein kinase type II-alpha regulatory subunit) is one of 4 isoforms of regulatory subunits of the cAMP-dependent protein kinase (PKA). RI and RII are the two major classes of regulatory subunits. RI and RII each have an alpha and beta isoform. The regulatory subunits perform non-redundant functions as receptors for CAMP signals and for the differential regulation of PKA activity. The PRKAR2A/PKA-RIIalpha functions as an inhibitor of the PKA holoenzyme. PRKAR2A/PKA-RIIalpha subunits have been found to interact with A-kinase anchoring proteins (AKAPs), proteins that function to target the subcellular localization of PKA.
Product Categories/Family for anti-PRKAR2A/PKA-RIIalpha antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758958
NCBI GeneID	5576
NCBI Accession #	NP_004148.1
NCBI GenBank Nucleotide #	NM_004157.2
UniProt Accession #	P13861; Q16823
Molecular Weight	45,518 Da
NCBI Official Full Name	cAMP-dependent protein kinase type II-alpha regulatory subunit
NCBI Official Synonym Full Names	protein kinase, cAMP-dependent, regulatory, type II, alpha
NCBI Official Symbol	PRKAR2A
NCBI Official Synonym Symbols	PKR2; PRKAR2
NCBI Protein Information	cAMP-dependent protein kinase type II-alpha regulatory subunit; protein kinase A, RII-alpha subunit; cAMP-dependent protein kinase regulatory subunit RII alpha
UniProt Protein Name	cAMP-dependent protein kinase type II-alpha regulatory subunit
UniProt Gene Name	**PRKAR2A**
UniProt Synonym Gene Names	PKR2; PRKAR2
UniProt Entry Name	KAP2_HUMAN

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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