

Rabbit anti-Human PRKAR2A Polyclonal Antibody | anti-PRKAR2A antibody

PRKAR2A Antibody

CATALOG # AAA309159	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot, Immunohistochemistry
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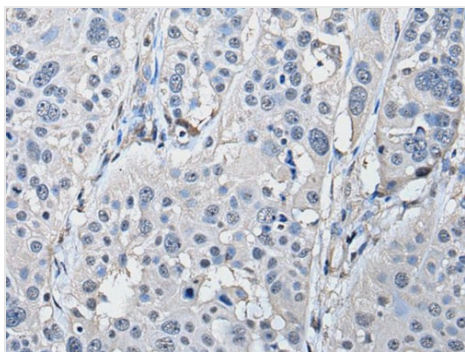
PRODUCT SYNONYMS

PRKAR2A; Polyclonal Antibody; PRKAR2A Antibody; PKR2; PRKAR2; anti-PRKAR2A antibody

PRODUCT SPECIFICATIONS

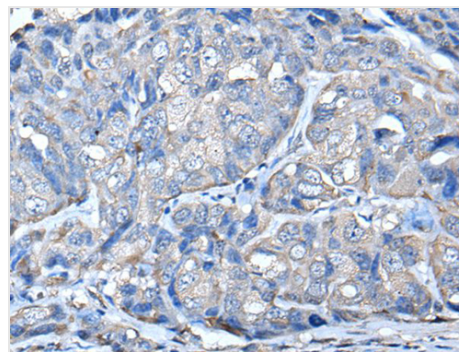
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total PRKAR2A protein.
Purity/Purification	Antigen affinity purification
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Concentration	1.3mg/ml (varies by lot)
Sequence Length	404
Applicable Applications for anti-PRKAR2A antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	Fusion protein of human PRKAR2A
Immunogen Type	Protein
Preparation and Storage	Store at -20 degree C

IMAGES



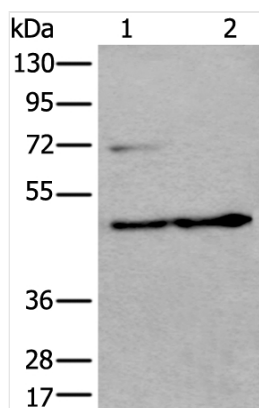
IHC (Immunohistochemistry)

The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using PRKAR2A Antibody at dilution 1/100, on the right is treated with fusion protein. (Original magnification: x200)



IHC (Immunohistochemistry)

The image on the left is immunohistochemistry of paraffin-embedded Human breast cancer tissue using PRKAR2A Antibody at dilution 1/100, on the right is treated with fusion protein. (Original magnification: x200)



SDS-PAGE

Gel: 8%SDS-PAGE Lysate: 40 ug, Lane 1-2: HEPG2 cell and Human testis tissue lysates,
 Primary antibody:PRKAR2A antibody at dilution 1/550, Secondary antibody: Goat anti rabbit
 IgG at 1/8000 dilution, Exposure time: 30 seconds

ADDITIONAL INFORMATION

Related Product Information for anti-PRKAR2A 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. Four different regulatory subunits and three catalytic subunits have been identified in humans. The protein encoded by this gene is one of the regulatory subunits. This subunit can be phosphorylated by the activated catalytic subunit. It may interact with various A-kinase anchoring proteins and determine the subcellular localization of cAMP-dependent protein kinase. This subunit has been shown to regulate protein transport from endosomes to the Golgi apparatus and further to the endoplasmic reticulum (ER).
Product Categories/Family for anti-PRKAR2A antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	1013404558
NCBI GeneID	5576
NCBI Accession #	NP_001308911.1
NCBI GenBank Nucleotide #	NM_001321982.1
UniProt Accession #	P13861; Q16823; Q9BUB1
Molecular Weight	43,067 Da
NCBI Official Full Name	cAMP-dependent protein kinase type II-alpha regulatory subunit isoform a
NCBI Official Synonym Full Names	protein kinase cAMP-dependent type II regulatory subunit alpha
NCBI Official Symbol	PRKAR2A
NCBI Official Synonym Symbols	PKR2; PRKAR2
NCBI Protein Information	cAMP-dependent protein kinase type II-alpha regulatory subunit
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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Online datasheet: <https://www.aaabiotech.com/polyclonal/prkar2a-antibody-western-blot-immunohistochemistry-elisa/309159>