

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

PRKAR2A Polyclonal Antibody

|                               |                       |                            |                                                                  |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA176142</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------|

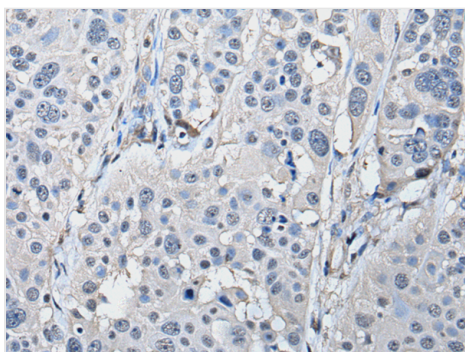
### PRODUCT SYNONYMS

PRKAR2A; Polyclonal Antibody; PRKAR2A Polyclonal Antibody; cAMP dependent protein kinase regulatory subunit alpha 2; CAMP dependent protein kinase regulatory subunit RII alpha; CAMP dependent protein kinase type II alpha regulatory chain; CAMP dependent protein kinase type II alpha regulatory subunit; CAMP-dependent protein kinase type II-alpha regulatory subunit; KAP2; MGC3606; PKR 2; PKR2; PRKA R2; PRKAR 2; PRKAR2; Protein kinase A RII alpha subunit; Protein kinase cAMP dependent regulatory type II alpha; anti-PRKAR2A antibody

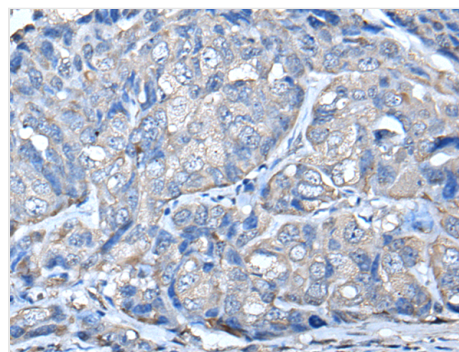
### PRODUCT SPECIFICATIONS

|                                                   |                                                         |
|---------------------------------------------------|---------------------------------------------------------|
| Host                                              | Rabbit                                                  |
| Reactivity                                        | Human                                                   |
| Clonality                                         | Polyclonal                                              |
| Isotype                                           | IgG                                                     |
| Purity/Purification                               | Antigen Affinity Purification                           |
| Form/Format                                       | PBS with 0.05% NaN <sub>3</sub> and 40% Glycerol, pH7.4 |
| Concentration                                     | 0.8mg/mL (varies by lot)                                |
| Sequence Length                                   | 404                                                     |
| Applicable Applications for anti-PRKAR2A antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)    |
| Immunogen                                         | Fusion protein of human PRKAR2A                         |
| Conjugation                                       | Unconjugated                                            |
| Preparation and Storage                           | Store at -20 degree C. Avoid freeze/thaw cycles.        |

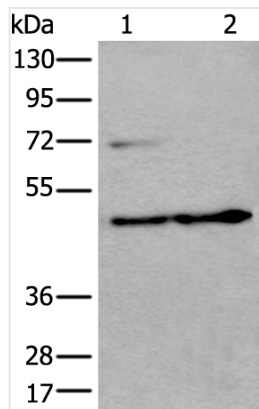
### IMAGES


**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using PRKAR2A Polyclonal Antibody at dilution of 1:50 (x200)


**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded Human breast cancer tissue using PRKAR2A Polyclonal Antibody at dilution of 1:50 (x200)



**WB (Western Blot)**  
 Western blot analysis of HEPG2 cell and Human testis tissue lysates using PRKAR2A  
 Polyclonal Antibody at dilution of 1:550

### 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   | Cancer; Metabolism; Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                          |
|----------------------------------|--------------------------------------------------------------------------|
| NCBI GI #                        | 4758958                                                                  |
| NCBI GeneID                      | 5576                                                                     |
| NCBI Accession #                 | NP_004148.1; BC002763                                                    |
| NCBI GenBank Nucleotide #        | NP_004148.1                                                              |
| UniProt Accession #              | P13861                                                                   |
| Molecular Weight                 | 46 kDa                                                                   |
| 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-immunohistochemistry-western-blot-elisa/176142>