

## Rabbit PRKAR1B Polyclonal Antibody | anti-PRKAR1B antibody

PRKAR1B antibody - middle region

| CATALOG # | HOST   | REACTIVITY                                                               | APPLICATIONS |
|-----------|--------|--------------------------------------------------------------------------|--------------|
| AAA200594 | Rabbit | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Zebrafish | Western Blot |

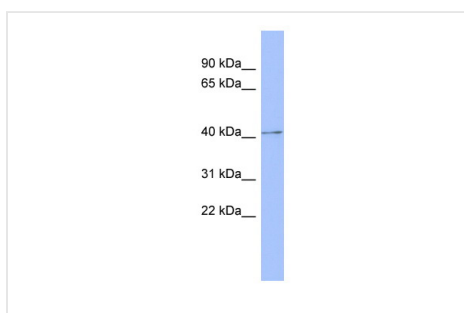
### PRODUCT SYNONYMS

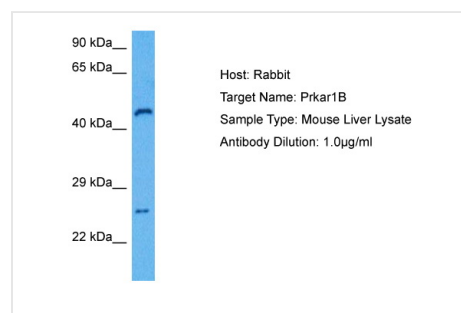
PRKAR1B; Polyclonal Antibody; PRKAR1B antibody - middle region; anti-PRKAR1B antibody

### PRODUCT SPECIFICATIONS

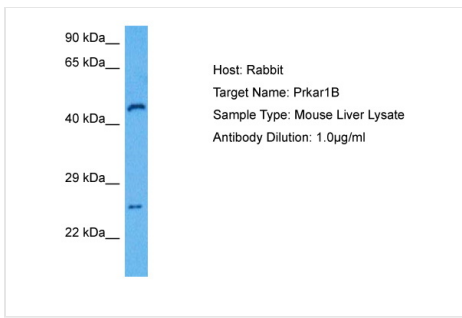
|                                                   |                                                                                                                                                       |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                                                                |
| Reactivity                                        | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Zebrafish                                                                              |
| Clonality                                         | Polyclonal                                                                                                                                            |
| Purity/Purification                               | Affinity Purified                                                                                                                                     |
| Form/Format                                       | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                          | Synthetic peptide with the following region: LN RPRAATVVAR GPLKCVKLDL PRFERVLGPG SEILKRNIQR YNSFISLT                                                  |
| Sequence Length                                   | 381                                                                                                                                                   |
| Applicable Applications for anti-PRKAR1B antibody | WB (Western Blot)                                                                                                                                     |
| Homology                                          | Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 92%; Human: 100%; Mouse: 100%; Rabbit: 85%; Rat: 100%; Sheep: 85%; Zebrafish: 100%                     |
| Immunogen                                         | The immunogen is a synthetic peptide directed towards the middle region of human PRKAR1B                                                              |
| Preparation and Storage                           | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES


**WB (Western Blot)**

WB Suggested Anti-PRKAR1B Antibody Titration: 0.2-1 ug/ml  
ELISA Titer: 1:1562500  
Positive Control: Human heart

**WB (Western Blot)**

Host: Rabbit  
Target Name: PRKAR1B  
Sample Tissue: Mouse Liver  
Antibody Dilution: 1ug/ml



**WB (Western Blot)**

Host: MouseTarget Name: PRKAR1BSample Tissue: Mouse LiverAntibody Dilution: 1ug/ml

**ADDITIONAL INFORMATION**

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PRKAR1B antibody | <p>This is a rabbit polyclonal antibody against PRKAR1B. It was validated on Western Blot using a cell lysate as a positive control.</p> <p>Target Description: Cyclic AMP-dependent protein kinase A (PKA) is an essential enzyme in the signaling pathway of the second messenger cAMP. Through phosphorylation of target proteins, PKA controls many biochemical events in the cell including regulation of metabolism, ion</p> |
| Product Categories/Family for anti-PRKAR1B antibody   | Polyclonal; Drugs and Drug Metabolism; Various; Apoptosis; MAPK Signaling; Phosphorylation                                                                                                                                                                                                                                                                                                                                         |

**NCBI AND UNIPROT INFORMATION**

|                                  |                                                              |
|----------------------------------|--------------------------------------------------------------|
| NCBI GI #                        | 38257139                                                     |
| NCBI GeneID                      | 5575                                                         |
| NCBI Accession #                 | NP_002726                                                    |
| NCBI GenBank Nucleotide #        | NM_002735                                                    |
| UniProt Accession #              | P31321                                                       |
| Molecular Weight                 | 43kDa                                                        |
| NCBI Official Full Name          | cAMP-dependent protein kinase type I-beta regulatory subunit |
| NCBI Official Synonym Full Names | protein kinase cAMP-dependent type I regulatory subunit beta |
| NCBI Official Symbol             | PRKAR1B                                                      |
| NCBI Official Synonym Symbols    | PRKAR1                                                       |
| NCBI Protein Information         | cAMP-dependent protein kinase type I-beta regulatory subunit |
| UniProt Protein Name             | cAMP-dependent protein kinase type I-beta regulatory subunit |
| UniProt Gene Name                | PRKAR1B                                                      |
| UniProt Entry Name               | KAP1_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.