

**PRKAR2A antibody - middle region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI14691**

**Specification**

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**PRKAR2A antibody - middle region - Product Information**

Application	WB
Primary Accession	<a href="#">P13861</a>
Other Accession	<a href="#">NM_004157</a> , <a href="#">NP_004148</a>
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted Host	Human, Mouse, Rat, Pig, Guinea Pig, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 44kDa KDa

**PRKAR2A antibody - middle region - Additional Information**

**Gene ID** 5576

**Alias Symbol** MGC3606, PKR2, PRKAR2

**Other Names**

cAMP-dependent protein kinase type II-alpha regulatory subunit, PRKAR2A, PKR2, PRKAR2

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-PRKAR2A antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

PRKAR2A antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

**PRKAR2A antibody - middle region - Protein Information**

**Name** PRKAR2A

**Synonyms** PKR2, PRKAR2

**Function**

Regulatory subunit of the cAMP-dependent protein kinases involved in cAMP signaling in cells. Type II regulatory chains mediate membrane association by binding to anchoring proteins, including the MAP2 kinase.

**Cellular Location**

Cytoplasm. Cell membrane. Note=Colocalizes with PJA2 in the cytoplasm and the cell membrane

### Tissue Location

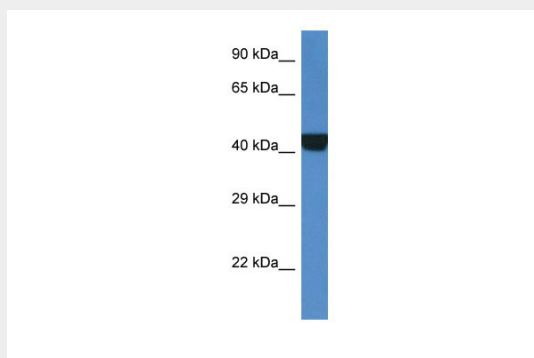
Four types of regulatory chains are found: I-alpha, I-beta, II-alpha, and II-beta. Their expression varies among tissues and is in some cases constitutive and in others inducible

### PRKAR2A antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### PRKAR2A antibody - middle region - Images



WB Suggested Anti-PRKAR2A Antibody Titration: 1.0 µg/ml

Positive Control: Fetal Kidney

### PRKAR2A antibody - middle region - References

- Oyen O., et al. FEBS Lett. 246:57-64(1989).  
Kalnine N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.  
Muzny D.M., et al. Nature 440:1194-1198(2006).  
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.  
Foss K.B., et al. Biochim. Biophys. Acta 1350:98-108(1997).