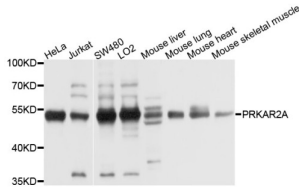
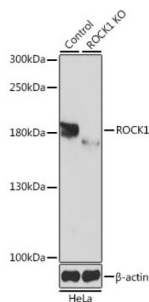


# Protein Kinase cAMP-Dependent Type II Regulatory Subunit Alpha (PRKAR2A) Antibody

Catalogue No.: abx001289



Western blot analysis of extracts of various cell lines, using PRKAR2A antibody (abx001289) at 1/1000 dilution.



Western blot analysis of extracts from normal (control) and ROCK1 knockout (KO) HeLa cells, using ROCK1 antibody at 1/1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1/10000 dilution.

PRKAR2A Antibody is a Rabbit Polyclonal antibody against PRKAR2A. The effects of cAMP in most tissues and cell types are mainly modulated via protein kinase A, a heterotetrameric protein complex consisting of two regulatory <sup>®</sup> and two catalytic <sup>©</sup> subunits. The regulatory subunit of cAMP-dependent protein kinase (PRKAR2A) is one of the regulatory subunits and the gene is located on chromosome region 3p21.3-p21.2. The expression of PRKAR2A is tightly regulated during spermatogenesis, a significant increase in expression of this gene was also found in the human myometrium during pregnancy. This antibody got two bands about 45 kDa and 50-55 kDa in western blotting, and the 50-55kDa may be caused by phosphorylation.

- Target:** Protein Kinase cAMP-Dependent Type II Regulatory Subunit Alpha (PRKAR2A)
- Clonality:** Polyclonal
- Reactivity:** Human, Mouse, Rat
- Tested Applications:** WB, IF/ICC
- Host:** Rabbit
- Recommended dilutions:** WB: 1/1000 - 1/2000, IF/ICC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.
- Conjugation:** Unconjugated
- Immunogen:** Recombinant fusion protein containing a sequence corresponding to amino acids 1-404 of human PKA RII $\alpha$  (PRKAR2A/PKR2).

# Datasheet

Version: 4.0.0  
Revision date: 25 Nov 2024



<b>Isotype:</b>	IgG
<b>Form:</b>	Liquid
<b>Purification:</b>	Purified by affinity chromatography.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
<b>UniProt Primary AC:</b>	P13861 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>Gene Symbol:</b>	PRKAR2A
<b>GeneID:</b>	<a href="#">5576</a>
<b>NCBI Accession:</b>	NP_004148.1
<b>KEGG:</b>	hsa:5576
<b>String:</b>	<a href="#">9606.ENSP00000265563</a>
<b>Molecular Weight:</b>	Calculated MW: 46 kDa Observed MW: 46 kDa
<b>Buffer:</b>	PBS, pH 7.3, containing 0.09% sodium azide, 50% glycerol.
<b>Concentration:</b>	> 0.2 mg/ml
<b>Note:</b>	This product is for research use only.

For Reference Only