

# PMPCA Rabbit mAb

Catalog No.: A24606 **Recombinant**

## Basic Information

### Observed MW

58kDa

### Calculated MW

55kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P, IP

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC63472

## Background

The protein encoded by this gene is found in the mitochondrion, where it represents the alpha subunit of a proteolytic heterodimer. This heterodimer is responsible for cleaving the transit peptide from nuclear-encoded mitochondrial proteins. Defects in this gene are a cause of spinocerebellar ataxia, autosomal recessive 2.

## Recommended Dilutions

**WB** 1:1000 - 1:5000

**IHC-P** 1:100 - 1:500

**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells

## Immunogen Information

### Gene ID

23203

### Swiss Prot

Q10713

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 291-525 of human PMPCA (NP\_055975.1).

### Synonyms

CLA1; CPD3; MAS2; P-55; SCAR2; INPP5E; Alpha-MPP; PMPCA

## Contact

☎ | 400-999-6126

✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

🌐 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

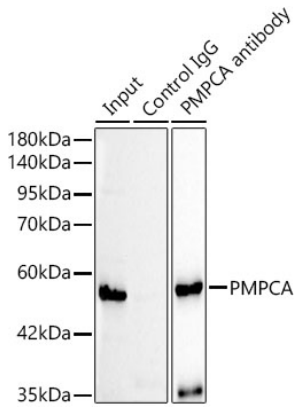
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

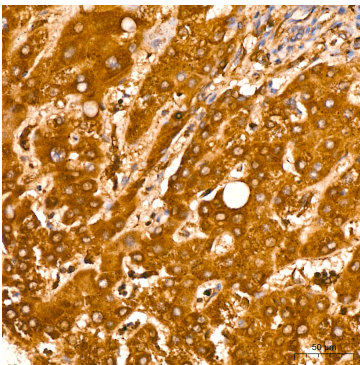
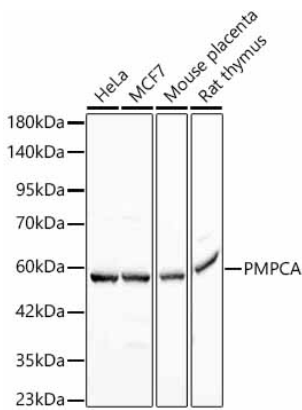
Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data

Immunoprecipitation analysis of 300ug extracts of HeLa cells using 3ug PMPCA antibody (A24606 1:200). Western blot was performed from the immunoprecipitate using PMPCA antibody at a dilution of 1:2000.



Western blot analysis of various lysates, using PMPCA Rabbit mAb (A24606) at 1:4000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



Immunohistochemistry analysis of PMPCA in paraffin-embedded human liver using PMPCA Rabbit mAb (A24606) at dilution of 1:300 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.