

## ARG44534 anti-PMPCA / INPP5E antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes PMPCA / INPP5E
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PMPCA / INPP5E
Species	Human
Immunogen	Human PMPCA / INPP5E recombinant protein.
Conjugation	Un-conjugated
Alternate Names	PMPCA; Peptidase, Mitochondrial Processing Subunit Alpha; Alpha-MPP; KIAA0123; INPP5E; MAS2; Mitochondrial-Processing Peptidase Subunit Alpha; Inositol Polyphosphate-5-Phosphatase, 72 KD; Cerebellar Ataxia 1 (Autosomal Recessive); Inactive Zinc Metalloprotease Alpha; SCAR2; CLA1; P-55; Mitochondrial Matrix Processing Protease, Alpha Subunit; Peptidase, Mitochondrial Processing Alpha Subunit; Spinocerebellar Ataxia, Autosomal Recessive 2; Peptidase (Mitochondrial Processing) Alpha; Cerebellar Ataxia-1; EC 3.4.24.64; CPD3; MPPA

### Application Instructions

Application table	Application	Dilution
	FACS	1-3 µg/10 <sup>6</sup> cells
	ICC/IF	5 µg/ml
	IHC-P	2-5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

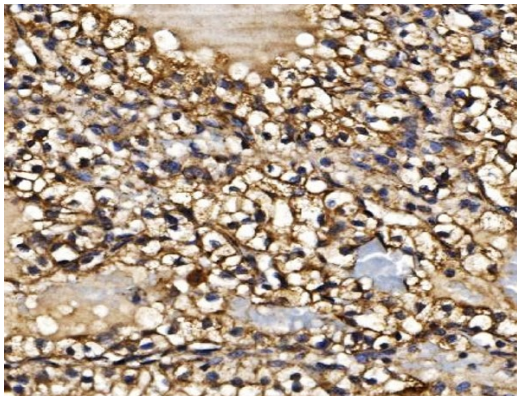
and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note** For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

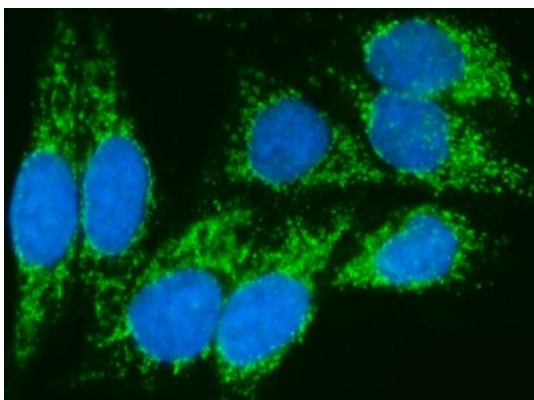
Gene Symbol	PMPCA
Gene Full Name	Peptidase, Mitochondrial Processing Subunit Alpha
Background	The protein encoded by this gene is found in the mitochondrion, where it represents the alpha subunit of a proteolytic heterodimer. This heterodimer is responsible for cleaving the transit peptide from nuclear-encoded mitochondrial proteins. Defects in this gene are a cause of spinocerebellar ataxia, autosomal recessive 2.
Function	Substrate recognition and binding subunit of the essential mitochondrial processing protease (MPP), which cleaves the mitochondrial sequence off newly imported precursors proteins.
Calculated Mw	58 kDa
PTM	Acetylation
Cellular Localization	Membrane, Mitochondrion, Mitochondrion inner membrane

## Images



ARG44534 anti-MPCA / INPP5E antibody IHC-P image

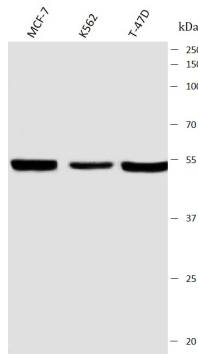
Immunohistochemistry: Human renal cancer stained with ARG44534 anti-MPCA / INPP5E antibody at 2 µg/ml dilution.



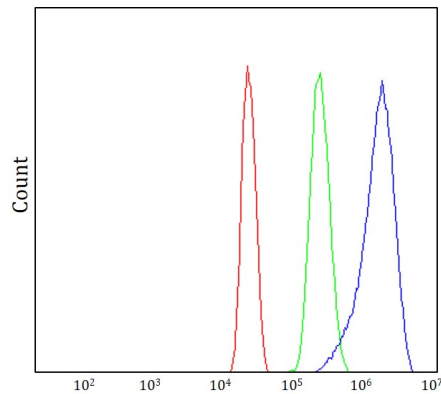
ARG44534 anti-MPCA / INPP5E antibody ICC/IF image

Immunofluorescence: HEP3B stained with ARG44534 anti-MPCA / INPP5E antibody at 5 µg/ml dilution.

#### ARG44534 anti-MPCA / INPP5E antibody WB image

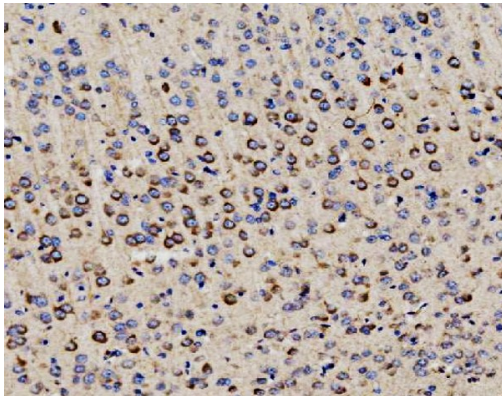


Western blot: MCF-7, A549 and T-47D stained with ARG44534 anti-MPCA / INPP5E antibody at 0.5  $\mu\text{g/mL}$  dilution.



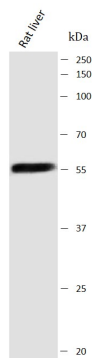
#### ARG44534 anti-MPCA / INPP5E antibody FACS image

Flow Cytometry: U937 stained with ARG44534 anti-MPCA / INPP5E antibody at 1  $\mu\text{g}/10^6$  cells dilution.



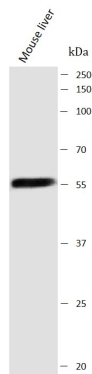
#### ARG44534 anti-MPCA / INPP5E antibody IHC-P image

Immunohistochemistry: Rat brain stained with ARG44534 anti-MPCA / INPP5E antibody at 2  $\mu\text{g/mL}$  dilution.



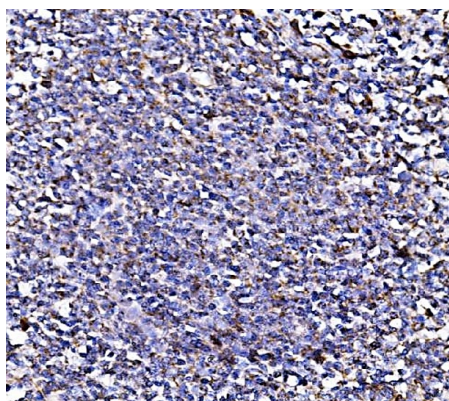
#### ARG44534 anti-MPCA / INPP5E antibody WB image

Western blot: Rat liver stained with ARG44534 anti-MPCA / INPP5E antibody at 0.5  $\mu\text{g/mL}$  dilution.



ARG44534 anti-MPCA / INPP5E antibody WB image

Western blot: Mouse liver stained with ARG44534 anti-MPCA / INPP5E antibody at 0.5  $\mu\text{g}/\text{mL}$  dilution.



ARG44534 anti-MPCA / INPP5E antibody IHC-P image

Immunohistochemistry: Human tonsil stained with ARG44534 anti-MPCA / INPP5E antibody at 2  $\mu\text{g}/\text{ml}$  dilution.