

Rabbit anti-Human PI16 Polyclonal Antibody | anti-PI16 antibody

Anti-PI16 Antibody, Rabbit Polyclonal

CATALOG # AAA256915	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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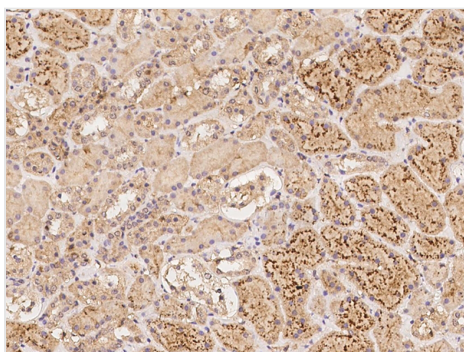
PRODUCT SYNONYMS

PI16; Polyclonal Antibody; Anti-PI16 Antibody; Rabbit Polyclonal; PI16 Antibody; Rabbit PAb; Antigen Affinity Purified; Peptidase Inhibitor 16; Anti-MSMBBP Antibody; Anti-PLC-delta-3 Antibody; Anti-PSEC0164 Antibody; Anti-PSPBP Antibody; anti-PI16 antibody

PRODUCT SPECIFICATIONS

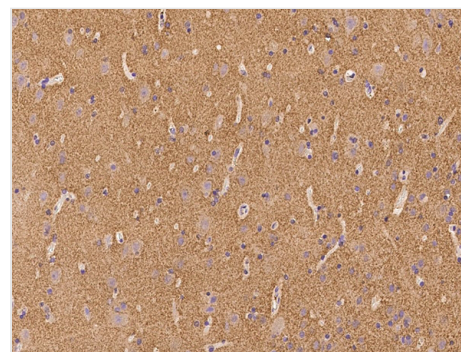
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PI16
Purity/Purification	Protein A & Antigen Affinity
Form/Format	PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PI16 antibody	IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human PI16 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human PI16 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human PI16 in human kidney with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human PI16 in human brain with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-PI16 antibody	Peptidase inhibitor (PI16), first identified from prostate tumour tissues, functions as a binding partner for a prostate secretory protein of 94 amino acids (PSP94) in patients with prostate cancer. PI16 is a member of the CAP (Cysteine-rich secretory proteins, Antigen 5, and Pathogenesis-related 1) superfamily of proteins that is highly conserved across species. PI16 is highly expressed in the heart and involved in isoproterenol-induced cardiac hypertrophy. PI16 regulates processing of the chemokine chemerin, cutaneous cathepsin K, and the matrix metalloprotease MMP2. PI16 plays a key role in chronic pain and is expressed in fibroblasts in the meninges of the dorsal root ganglia (DRG) and the perineurium, but not by neurons or glia.
References	Singhmar P, et al. (2020) The fibroblast-derived protein pi16 controls neuropathic pain. Proc Natl Acad Sci U S A 117 (10): 5463-5471.Deng M, et al. (2020) Overexpression of peptidase inhibitor 16 attenuates angiotensin ii-induced cardiac fibrosis via regulating hdac1 of cardiac fibroblasts. J Cell Mol Med 24 (9): 5249-5259.

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pi16-antibody-immunohistochemistry-elisa/256915>