

Rabbit anti-Human PCBP4/MCG10 Polyclonal Antibody | anti-PCBP4 antibody

Anti-PCBP4/MCG10 Antibody, Rabbit Polyclonal

CATALOG # AAA256982	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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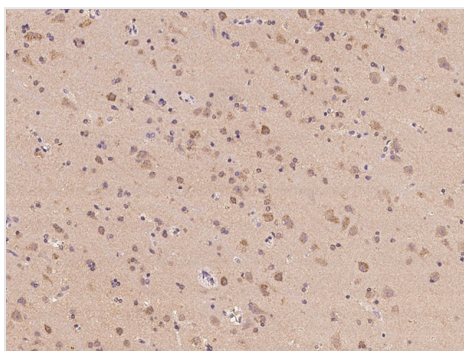
PRODUCT SYNONYMS

PCBP4/MCG10; Polyclonal Antibody; Anti-PCBP4/MCG10 Antibody; Rabbit Polyclonal; PCBP4/MCG10 Antibody; Rabbit PAb; Antigen Affinity Purified; poly(rC) binding protein 4; Anti-CBP Antibody; Anti-LIP4 Antibody; Anti-MCG10 Antibody; anti-PCBP4 antibody

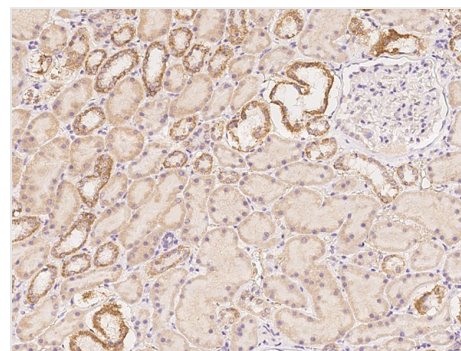
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PCBP4/MCG10
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PCBP4 antibody	IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human PCBP4/MCG10 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human PCBP4/MCG10 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES


IHC (Immunohistochemistry)

Immunohistochemical staining of human PCBP4 in human brain with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.


IHC (Immunohistochemistry)

Immunohistochemical staining of human PCBP4 in human kidney with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-PCBP4 antibody	Poly(C)-binding protein 4 (PCBP4), also known as MCG10, is an RBP belonging to the poly(C)-binding protein family and a target of p53 tumor suppressor. PCBP4 plays a role in the cell cycle and is implicated in lung tumor suppression. Ectopic expression of PCBP4 induces cell-cycle arrest in G2 and apoptosis. PCBP4 regulates both basal and stress-induced p21 expression through binding p21 3'-UTR and modulating p21 mRNA stability. alpha CP-4 is an RNA-binding protein coded by PCBP4, a gene mapped to 3p21, a commonly deleted region in lung cancer. PCBP4 plays important role in the induction of cisplatin resistance in human maxillary cancers. PCBP4 is a novel molecular target for the therapy of head and neck cancers, especially cisplatin-resistant cancers.
References	Yan W, et al. (2016) Mice deficient in poly(c)-binding protein 4 are susceptible to spontaneous tumors through increased expression of zfp871 that targets p53 for degradation. Genes Dev 30 (5): 522-534.Scoumanne A, et al. (2011) The cyclin-dependent kinase inhibitor p21 is regulated by rna-binding protein pcbp4 via mrna stability. Nucleic Acids Res 39 (1): 213-224.Pio R, et al. (2004) Alpha cp-4, encoded by a putative tumor suppressor gene at 3p21, but not its alternative splice variant alpha cp-4a, is underexpressed in lung cancer. Cancer Res 64 (12): 4171-4179.Ito Y, et al. (2015) Suppression of poly(rc)-binding protein 4 (pcbp4) reduced cisplatin resistance in human maxillary cancer cells. Sci Rep 5 12360.

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/pcbp4-mcg10-antibody-immunohistochemistry-elisa/256982>