

Rabbit anti-Human PABPC1 Polyclonal Antibody | anti-PABPC1 antibody

Anti-PABPC1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA258516	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PABPC1; Polyclonal Antibody; Anti-PABPC1 Antibody; Rabbit Polyclonal; PABPC1 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-PAB1 Antibody; Anti-PABP Antibody; Anti-PABP1 Antibody; Anti-PABPC2 Antibody; Anti-PABPL1 Antibody; poly(A) binding protein; cytoplasmic 1; anti-PABPC1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PABPC1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-PABPC1 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Conjugation	Unconjugated
Immunogen	A synthetic peptide corresponding to the center region of the Human PABPC1
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human PABPC1, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2 degree C-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. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

PABP was immunoprecipitated using: Lane A:0.5 mg SW480 Whole Cell Lysate 4 uL anti-PABP rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti- PABP rabbit polyclonal antibody,at 1:100 dilution Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 71 kDa Observed band size :80 kDa



IHC (Immunohistochemistry)

Immunochemical staining of human PABPC1 in human colon carcinoma with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human PABPC1 in human lung cancer with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-PABPC1 rabbit polyclonal antibody at 1:500 dilution Lane A: H1299 Whole Cell Lysate Lane B: MCF7 Whole Cell Lysate Lane C: SW480 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size:71 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PABPC1 antibody

Polyadenylate-binding protein cytoplasmic 1 (PABPC1) is a cytoplasmic-nuclear shuttling protein important for protein translation initiation and both RNA processing and stability. PABPC1 controls the rate of mRNA deadenylation and participates in mRNA decay, which is involved in carcinogenesis. PABPC1 is an important cellular target of viral ORF57 to directly upregulate PAN accumulation during viral lytic infection, and the ability of host PABPC1 to disrupt ORF57 expression is a strategic host counterbalancing mechanism. Embryonic poly(A)-binding protein (EPAB) and poly(A)-binding protein, cytoplasmic 1 (PABPC1) bind poly(A) tails of mRNAs and mediate their translational regulation in germ cells and early preimplantation embryos. PABPC1 gene was identified as a downstream target of SNHG14, and PABPC1 mediates the SNHG14-induced oncogenic effects.

References

Ozturk S, et al. (2015) Epab and pabpc1 are differentially expressed in the postnatal mouse ovaries. J Assist Reprod Genet 32 (1): 137-146. Massimelli MJ, et al. (2013) Interplay between polyadenylate-binding protein 1 and kaposi's sarcoma-associated herpesvirus orf57 in accumulation of polyadenylated nuclear rna, a viral long noncoding rna. J Virol 87 (1): 243-256. Dong H, et al. (2018) Long non-coding rna snhg14 induces trastuzumab resistance of breast cancer via regulating pabpc1 expression through h3k27 acetylation. J Cell Mol Med 22 (10): 4935-4947.

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/pabpc1-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/258516>