



[Go to Product page](#)

Datasheet for ABIN2778803  
**anti-PABP antibody (Middle Region)**

2 Images

Overview

Quantity:	100 µL
Target:	PABP (PABPC1)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Dog, Guinea Pig, Horse, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PABP antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human PABPC1
Sequence:	LRPSRWTAQ GARPHPFQNM PGAIRPAAPR PPFSTMRPAS SQVPRVMSTQ
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%
Characteristics:	This is a rabbit polyclonal antibody against PABPC1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	PABP (PABPC1)
---------	---------------

## Target Details

---

Alternative Name: PABPC1 ([PABPC1 Products](#))

---

Background: The poly(A)-binding protein (PABP), which is found complexed to the 3-prime poly(A) tail of eukaryotic mRNA, is required for poly(A) shortening and translation initiation. In humans, the PABPs comprise a small nuclear isoform and a conserved gene family that displays at least 3 functional proteins: PABP1 (PABPC1), inducible PABP (iPABP, or PABPC4, MIM 603407), and PABP3 (PABPC3, MIM 604680). In addition, there are at least 4 pseudogenes, PABPCP1 to PABPCP4. The poly(A)-binding protein (PABP), which is found complexed to the 3-prime poly(A) tail of eukaryotic mRNA, is required for poly(A) shortening and translation initiation. In humans, the PABPs comprise a small nuclear isoform and a conserved gene family that displays at least 3 functional proteins: PABP1 (PABPC1), inducible PABP (iPABP, or PABPC4, MIM 603407), and PABP3 (PABPC3, MIM 604680). In addition, there are at least 4 pseudogenes, PABPCP1 to PABPCP4.[supplied by OMIM]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Alias Symbols: PAB1, PABP, PABP1, PABPC2, PABPL1

Protein Interaction Partner: WWP2, PAIP1, TP53, UBC, SUMO2, HAUS1, CEP250, STAU1, MDM2, WWOX, RPA3, RPA2, RPA1, rev, DHX15, UBA1, SGTA, PSMD9, PIN1, P4HB, APEX1, APBB1, TMOD3, WBP4, GNPDA1, ITCH, TARDBP, SRPK2, SRPK1, CLK3, CLK2, PAIP2, CSF2, BRCA1, BAG3, TERT, GSPT2, IGSF8, RBM8A, R

Protein Size: 636

---

Molecular Weight: 71 kDa

---

Gene ID: 26986

---

NCBI Accession: [NM\\_002568](#), [NP\\_002559](#)

---

UniProt: [P11940](#)

---

Pathways: [SARS-CoV-2 Protein Interactome](#)

---

## Application Details

---

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

---

Comment: Antigen size: 636 AA

---

Restrictions: For Research Use only

---

## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

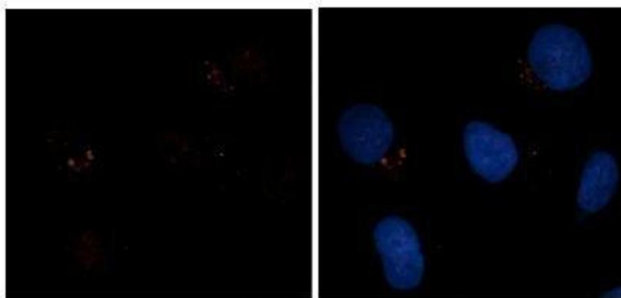
## Images



PABPC1

### Western Blotting

**Image 1.** WB Suggested Anti-PABPC1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: HepG2 cell lysate



Red: PABPC1  
Blue: DAPI

### Immunohistochemistry

**Image 2.** Sample Type : Human brain stem cells (NT2)  
Primary Antibody Dilution : 1:500 Secondary Antibody : Goat anti-rabbit Alexa Fluor 594 Secondary Antibody Dilution : 1:1000 Color/Signal Descriptions : Red: PABPC1 Blue: DAPI  
Gene Name : PABPC1 Submitted by : Dr. Yuzhi Chen, University of Arkansas for Medical Science

See IHC 1 Data and Customer Feedback for more Information