Product Datasheet

PABP Antibody (10E10) - BSA Free
NB120-6125

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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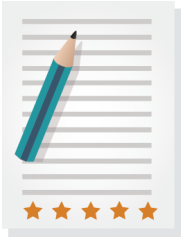
Updated 9/9/2025 v.20.1



NB120-6125

PABP Antibody (10E10) - BSA Free

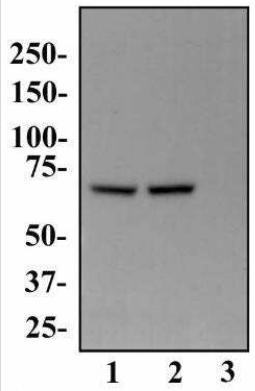
Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	10E10
Preservative	0.02% Sodium Azide
Isotype	IgG2b
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	69 kDa

Product Description	
Description	Novus Biologicals Mouse PABP Antibody (10E10) - BSA Free (NB120-6125) is a monoclonal antibody validated for use in WB, ELISA, Flow, ICC/IF and IP. Anti-PABP Antibody: Cited in 11 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	26986
Gene Symbol	PABPC1
Species	Human, Bovine, Canine, Primate, Xenopus, Drosophila (Negative), Mouse (Negative)
Reactivity Notes	Does not cross-react with Drosophilia melanogaster or Mouse. Not yet tested in other species.
Immunogen	Recombinant human PABP protein. [Uniprot# P11940]

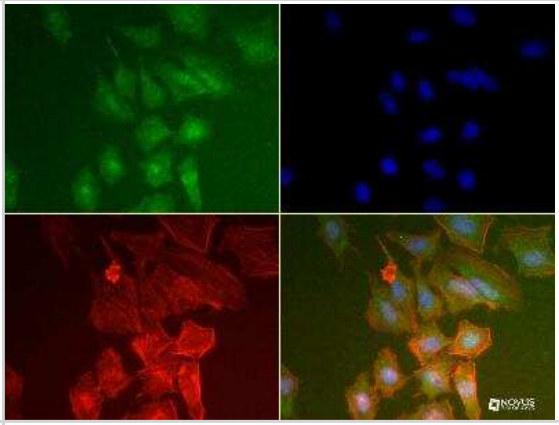
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Microarray, CyTOF-ready
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry, ELISA 1:100-1:2000, Immunocytochemistry/ Immunofluorescence 1:50-1:100, Immunoprecipitation 1:10-1:500, Microarray, CyTOF-ready
Application Notes	The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors. This antibody is CyTOF ready.

Images

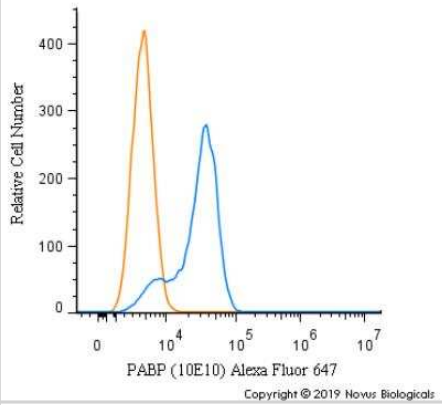
Western Blot: PABP Antibody (10E10) [NB120-6125] - Analysis of PABP expression in 1) A-431, 2) HeLa and 3) NIH-3T3 whole cell lysates.



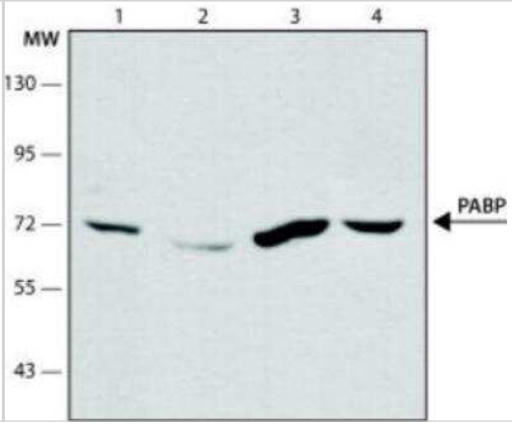
Immunocytochemistry/Immunofluorescence: PABP Antibody (10E10) [NB120-6125] - PABP antibody was tested in HeLa cells at a 1:50 dilution using a Dylight 488 conjugated secondary antibody (Green). Actin (Red) and DNA (Blue) were counterstained using Phalloidin 568 and DAPI.



Flow Cytometry: PABP Antibody (10E10) [NB120-6125] - An intracellular stain was performed on A431 cells with PABP [10E10] Antibody NB120-6125AF647 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 647.

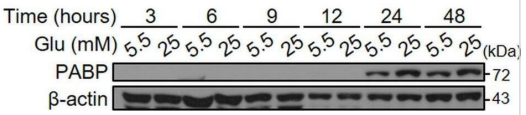


Western Blot: PABP Antibody (10E10) [NB120-6125] - Cell line lysates were separated on SDS-PAGE and probed with 1 ug/mL Monoclonal Anti-PABP Clone: 10E10. The antibody was developed using Goat Anti-Mouse IgG-Peroxidase and a chemiluminescent substrate. (1) HEK293T, (2) HeLa, (3) G361 and (4) COS-7.



PI3K/AKT signaling contributes to HG-induced PABP expression, which promotes DENV infection.(A) Western blot showed the expression of PABP, NF90, hnRNP, eEF1A, PTB, YB-1, and β-actin in 5.5 or 25 mM glucose (Glu) medium–treated BHK-21 cells for 48 hours. (B) Furthermore, the time course expression of PABP protein also is shown. (C) Western blot showed PABP protein expression in BHK-21 cells that were pretreated with or without PI3K inhibitor (LY294002), the mTOR inhibitor rapamycin (Rapa), or AKT inhibitor (AKTi) for 1 hour followed by 5.5 or 25 mM Glu-containing–medium treatment for 48 hours. (D) Real-time qPCR assays showed the expression of PABP mRNA in 5.5 or 25 mM Glu-treated BHK-21 cells that were pretreated with or without LY294002 and an AKTi for 1 hour and subsequently maintained in medium containing 5.5 or 25 mM Glu for 48 hours. (E) Western blot showed PABP protein expression in BHK-21 cells pretreated with PABP siRNA (siPABP) for 48 hours, followed by incubation with medium containing 25 mM Glu. Cells without control siRNA pretreatment were used as negative control. (F) Plaque assays were conducted to determine the viral titer of BHK-21 cells that were pretreated with PABP siRNA for 48 hours and then infected with DENV 2 (MOI, 1) for an additional 48 hours in 5.5 or 25 mM Glu-containing medium. DMSO was used as a control. The mean +/- SD of quantitative data from at least 3 independent experiments are reported. **P < 0.01, ***P < 0.001. RQ, relative quantification. Image collected and cropped by CiteAb from the following open publication (https://pubmed.ncbi.nlm.nih.gov/36125898), licensed under a CC-BY license. Not internally tested by Novus Biologicals.

B



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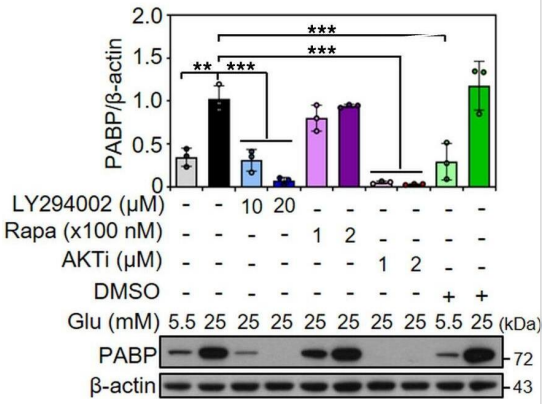

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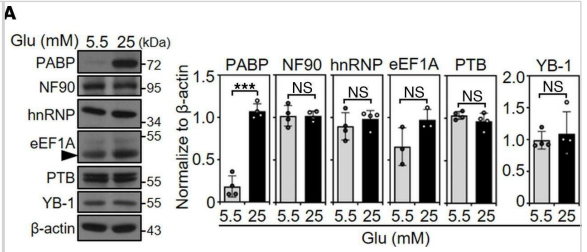

Publications

Shen TJ, Chen CL, Tsai TT et al. Hyperglycemia exacerbates dengue virus infection by facilitating poly(A)-binding protein-mediated viral translation JCI Insight 2022-11-08 [PMID: 36125898] (Western Blot, Mouse)

Nagel M, Noß M, Xu J et al. The kinesin motor KIF1C is a putative transporter of the exon junction complex in neuronal cells bioRxiv 2022-08-26 [PMID: 36316088] (WB, Human)

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Larralde O, Smith RW, Wilkie GS et al. Direct stimulation of translation by the multifunctional herpesvirus ICP27 protein. J Virol. 2006-02-01 [PMID: 16415034] (WB, Human)

Nelson PT, Hatzigeorgiou AG, Mourelatos Z. miRNP:mRNA association in polyribosomes in a human neuronal cell line. RNA. 2004-03-01 [PMID: 14970384] (WB, Human)

Sladic RT, Lagnado CA, Bagley CJ, Goodall GJ. Human PABP binds AU-rich RNA via RNA-binding domains 3 and 4. Eur J Biochem. 2004-01-01 [PMID: 14717712] (IP, Human)

Lee J, Bedford MT. PABP1 identified as an arginine methyltransferase substrate using high-density protein arrays. EMBO Rep. 2002-03-01 [PMID: 11850402] (IP, Human)

Chazal PE, Daguenet E, Wendling C et al. EJC core component MLN51 interacts with eIF3 and activates translation Proc Natl Acad Sci U S A 2013-03-25 [PMID: 23530232] (WB, Human)

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NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
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