PABPC1 monoclonal antibody, clone 10E10

Catalog # MAB2465 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot for PABPC1 monoclonal antibody, clone 10E10 (Cat # MAB2465) on HeLa cell extracts (left lane).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant PABPC1.
Immunogen	Recombinant protein corresponding to human PABPC1.
Host	Mouse
Theoretical MW (kDa)	70
Reactivity	Chicken, Clawed frog, Human, Rabbit
Specificity	Detects a band of approximately 70 KDa.
Form	Liquid
Isotype	IgG2b
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)

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Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence
- Enzyme-linked Immunoabsorbent Assay
- Immunoprecipitation
- Western Blot (Cell lysate)

  Western blot for PABPC1 monoclonal antibody, clone 10E10 (Cat # MAB2465) on HeLa cell extracts (left lane).

Gene Info — PABPC1

Entrez GeneID	26986
Gene Name	PABPC1
Gene Alias	PAB1, PABP, PABP1, PABPC2, PABPL1
Gene Description	poly(A) binding protein, cytoplasmic 1
Omim ID	604679
Gene Ontology	Hyperlink
Gene Summary	The poly(A)-binding protein (PABP), which is found complexed to the 3-prime poly(A) tail of eukar yotic mRNA, is required for poly(A) shortening and translation initiation. In humans, the PABPs co mprise a small nuclear isoform and a conserved gene family that displays at least 3 functional prot eins: PABP1 (PABPC1), inducible PABP (iPABP, or PABPC4; MIM 603407), and PABP3 (PAB PC3; MIM 604680). In addition, there are at least 4 pseudogenes, PABPCP1 to PABPCP4.[supp lied by OMIM
Other Designations	poly(A) binding protein, cytoplasmic 2|poly(A)-binding protein, cytoplasmic 2

Publication Reference

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- Expression of Kaposi's sarcoma-associated herpesvirus-encoded K10/10.1 protein in tissues and its interaction with poly(A)-binding protein.

  Kanno T, Sato Y, Sata T, Katano H.

  Virology 2006 Aug; 352(1):100.

  Application: IF, IP, WB, Human, BCBL-1, TY-1 cells

- Identification of the junctional plaque protein plakophilin 3 in cytoplasmic particles containing RNA-binding proteins and the recruitment of plakophilins 1 and 3 to stress granules.

  Hofmann I, Casella M, Schnolzer M, Schlechter T, Spring H, Franke WW.

  Molecular Biology of the Cell 2006 Mar; 17(3):1388.

  Application: IF, IP-WB, WB, Human, HaCaT cells

- Mammalian Smaug is a translational repressor that forms cytoplasmic foci similar to stress granules.

  Baez MV, Boccaccio GL.

  The Journal of Biological Chemistry 2005 Dec; 280(52):43131.

  Application: IF, Monkey, COS-7 cells

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