

PABPN1 Rabbit mAb

Catalog No: #49479

Package Size: #49479-1 50ul #49479-2 100ul



SAB[®]
Signalway Antibody

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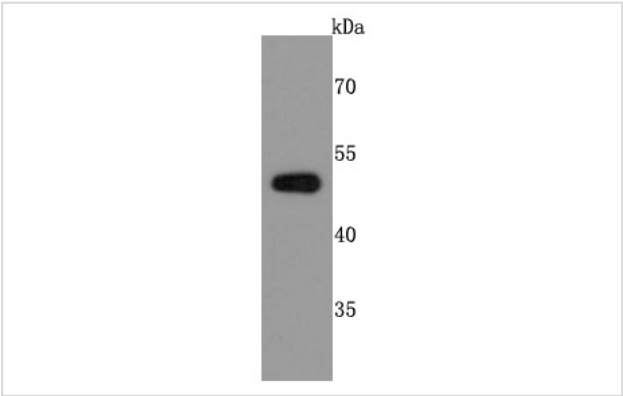
Description

Product Name	PABPN1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	JM11-28
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, FC, IP
Species Reactivity	Hu, Ms
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	Nuclear poly(A)-binding protein 1 antibody OPMD antibody PAB2 antibody PABII antibody PABP 2 antibody pABP-2 antibody PABP2 antibody PABP2_HUMAN antibody PABPII antibody Pabpn1 antibody poly(A) binding protein nuclear 1 antibody Poly(A)-binding protein 2 antibody Poly(A)-binding protein II antibody PolyA binding protein II antibody Polyadenylate-binding nuclear protein 1 antibody Polyadenylate-binding protein 2 antibody
Accession No.	Swiss-Prot#:Q86U42
Calculated MW	49 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

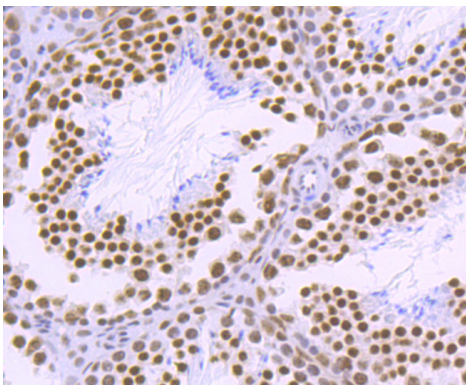
Application Details

WB: 1:500-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200IP: 1:10-1:50FC: 1:50-1:100

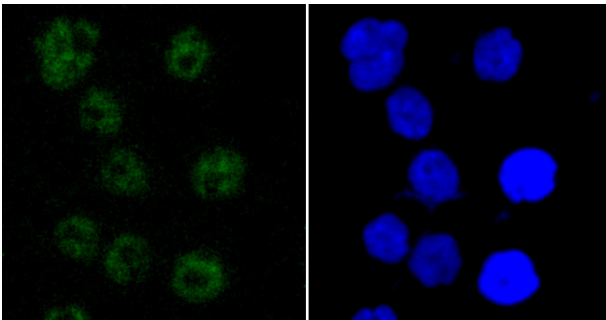
Images



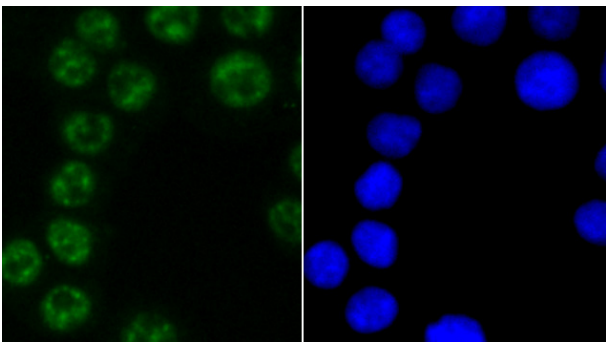
Western blot analysis of PABPN1 on MCF-7 cells lysates using anti-PABPN1 antibody at 1/500 dilution.



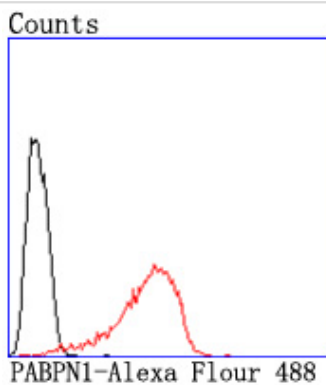
Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-PABPN1 antibody. Counter stained with hematoxylin.



ICC staining PABPN1 in AGS cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining PABPN1 in SW480 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of HeLa cells with PABPN1 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

Involved in the 3'-end formation of mRNA precursors (pre-mRNA) by the addition of a poly(A) tail of 200-250 nt to the upstream cleavage product. Stimulates poly(A) polymerase (PAPOLA) conferring processivity on the poly(A) tail elongation reaction and controls also the poly(A) tail length. Increases the affinity of poly(A) polymerase for RNA. Is also present at various stages of mRNA metabolism including nucleocytoplasmic trafficking and nonsense-mediated decay (NMD) of mRNA. Cooperates with SKIP to synergistically activate E-box-mediated transcription through MYOD1 and may regulate the expression of muscle-specific genes. Binds to poly(A) and to poly(G) with high affinity. May protect the poly(A) tail from degradation.

References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.