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[Primary Antibody]

Mouse Anti-PABPN1 antibody

Catalog Number: SLM-60335M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Mouse
Isotype:	IgG1/Kappa
Clonality:	Monoclonal
Clone No.:	A6E8
Target:	PABPN1
Purification:	Affinity purified by Protein G
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (1:50-100) ICC/IF (1:50-200) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human,Mouse,Rat
Subcellular Location:	The nucleus The cell membrane
Background:	It participates in the formation of the 3' end of mRNA precursors (pre-mRNA) by adding a 200-250 nt poly(A) tail to upstream cleavage products. It stimulates the processivity of the poly(A) tail extension reaction catalyzed by poly(A) polymerase (PAPOLA) and controls the length of the poly(A) tail. It increases the affinity of poly(A) polymerase for RNA. It is also present in different stages of mRNA metabolism, including nucleocytoplasmic transport and nonsense-mediated mRNA decay (NMD). It cooperates with SKIP through MYOD1 to activate E-box-mediated transcription and may regulate the expression of muscle-specific genes. It binds to poly(A) and poly(G) with high affinity. It can protect the poly(A) tail from degradation. It is a subunit of the trimeric Poly(A) tail-Exosome Targeting (PAXT) complex, which directs subsets of long and polyadenylated poly(A) RNAs for exosomal degradation.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.