

YM028671

PAB2



- 50ul
- 100 uL

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Description:

Binds the poly(A) tail of mRNA. Appears to be an important mediator of the multiple roles of the poly(A) tail in mRNA biogenesis, stability and translation. In the cytoplasm, affects both translation and mRNA decay. Stimulates translation by interaction with translation initiation factor eIF4G, a subunit of the cap-binding complex eIF4F, bringing the 5'- and 3'-ends of the mRNA in proximity. The formation of this circular mRNP structure appears to be critical for the synergistic effects of the cap and the poly(A) tail in facilitating translation initiation, recycling of ribosomes, and mRNA stability. During infection with potyvirus TuMV, acts as a potential integral component of the viral replicase complex that could play an important role in the regulation of potyviral RNA-dependent RNA polymerase (RdRp). Binds to uridylated mRNAs and determines the size of uridine extensions (PubMed:26972004).Limits uridine extension by URT1, likely by binding to the oligo(A) tail and preventing URT1 access (PubMed:26972004).

Alternative Names : Polyadenylate-binding protein

Reactivity : Zea mays

UniProt : A0A1D6J9R4

Mol.Wt. : 71 kDa

Application : WB, IF, IP

Source : Mouse

Clonality : Monoclonal

Storage Condition : Store at -113°C long term.