

PAIP1 Monoclonal antibody

Catalog Number: 60050-1-Ig

Basic Information

Catalog Number:

60050-1-Ig

Size:

690 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG1070

GenBank Accession Number:

BC005295

GeneID (NCBI):

10605

UNIPROT ID:

Q9H074

Full Name:

poly(A) binding protein interacting protein 1

Calculated MW:

70 kDa

Observed MW:

42+60+70+110 kDa

Purification Method:

Antigen affinity purification

CloneNo.:

2G1B7

Applications

Tested Applications:

ELISA

Species Specificity:

human, mouse

Background Information

In initiation of translation in eukaryotes, binding of the small ribosomal subunit to mRNA requires recognition of the 5-prime cap structure by the cap-binding complex eIF4F. eIF4F consists of eIF4E, eIF4A, and eIF4G. Translation initiation is further regulated by the mRNA 3-prime poly(A) tail and the poly(A)-binding protein (PABC1). PAIP1 interacts with PABC1 and some eIF4 complexes [PMID:9548260]. It is a coactivator in the regulation of translation initiation of poly(A)-containing mRNAs, and associates with EIF4A and PABPC1 may potentiate contacts between mRNA termini [PMID:11051545].

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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