

PUM2 antibody

Product Information

Catalog No.:	FNab06955
Size:	100μg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

Sequence-specific RNA-binding protein that acts as a post-transcriptional repressor by binding the 3'-UTR of mRNA targets. Binds to an RNA consensus sequence, the Pumilio Response Element(PRE), 5'-UGUANAUA-3', that is related to the Nanos Response Element(NRE)(, PubMed:21397187). Mediates post-transcriptional repression of transcripts via different mechanisms: acts via direct recruitment of the CCR4-POP2-NOT deadenylase leading to translational inhibition and mRNA degradation(PubMed:22955276). Also mediates deadenylation-independent repression by promoting accessibility of miRNAs(PubMed:18776931, PubMed:22345517). Acts as a post-transcriptional repressor of E2F3 mRNAs by binding to its 3'-UTR and facilitating miRNA regulation(PubMed:22345517). Plays a role in cytoplasmic sensing of viral infection(PubMed:25340845). Represses a program of genes necessary to maintain genomic stability such as key mitotic, DNA repair and DNA replication factors. Its ability to repress those target mRNAs is regulated by the lncRNA NORAD(non-coding RNA activated by DNA damage) which, due to its high abundance and multitude of PUMILIO binding sites, is able to sequester a significant fraction of PUM1 and PUM2 in the cytoplasm(PubMed:26724866). May regulate DCUN1D3 mRNA levels(PubMed:25349211). May support proliferation and self-renewal of stem cells.

Immunogen information

Immunogen:	pumilio homolog 2(Drosophila)
Synonyms:	Pumilio homolog 2 (Pumilio-2) PUM2 KIAA0235 PUMH2
Observed MW:	140 kDa

Uniprot ID : Q8TB72

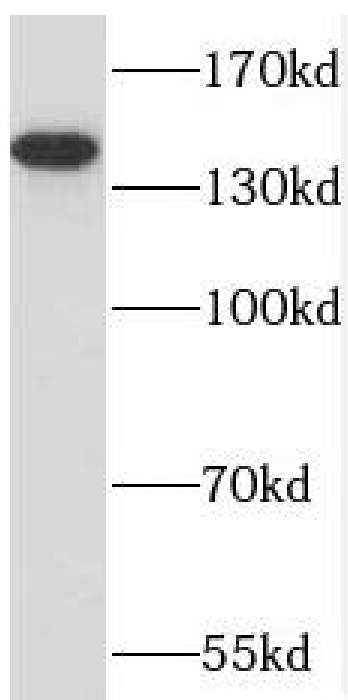
Application

Reactivity: Human, Mouse, Rat

Tested Application: ELISA, WB

Recommended dilution: WB: 1:500-1:2000

Image:



mouse testis tissue were subjected to SDS PAGE followed by western blot with FNab06955(PUM2 Antibody) at dilution of 1:600