

Anti-PAPOA Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Dog,Pig,Cow,Horse)
Molecular Weight:	Theoretical: 82 kDa. Actual: 83 kDa.
Purification:	Protein A purified

Applications

Sample:	Cerebrum (Mouse) Lysate at 40 µg Kidney (Mouse) Lysate at 40 µg
Verified Activity:	Primary: Anti-PAPOA (TMAB-09973) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 83 kD Observed band size: 83 kD
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human PAPOA
Antigen Species:	Human
Gene ID:	10914
Uniprot ID:	P51003

Research Background

Polyadenylation of the 3-prime ends of eukaryotic mRNAs is a key event that takes place in the nucleus during maturation of mRNA. The reaction includes endoribonucleolytic cleavage of the pre-RNA at the poly(A) site that leads to synthesis of the poly(A) tail at the 3-prime end of the upstream cleavage product. The poly(A) polymerase (PAP) is required. The adenosine addition reaction depends on poly(A) polymerase (PAP) activity. The testis express PAP-beta (TPAP) in the cytoplasm of spermatogenic cells. The adenosine addition function of PAP-beta plays a critical role in male germ cell production. PAP-beta-deficient transgenic mice display impaired expression of haploid-specific genes that are necessary for spermatogenesis. The intronless gene encoding human PAP-beta maps to chromosome 7p22.3.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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