

Product Datasheet

PAPOLG Antibody - BSA Free

NBP1-30060

Unit Size: 100 ul

Store at 4C. Do not freeze.

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NBP1-30060

PAPOLG Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

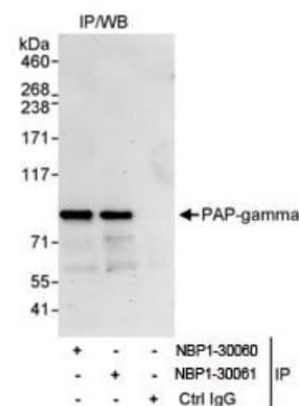
Product Description	
Host	Rabbit
Gene ID	64895
Gene Symbol	PAPOLG
Species	Human
Immunogen	maps to a region between residue 625 and 675 of human poly(A) polymerase gamma using the numbering given in entry NP_075045.2

Product Application Details	
Applications	Western Blot, Immunoprecipitation, Knockdown Validated
Recommended Dilutions	Western Blot Reported in scientific literature (PMID 25896913), Immunoprecipitation 10 to 15 ug/mg lysate, Knockdown Validated

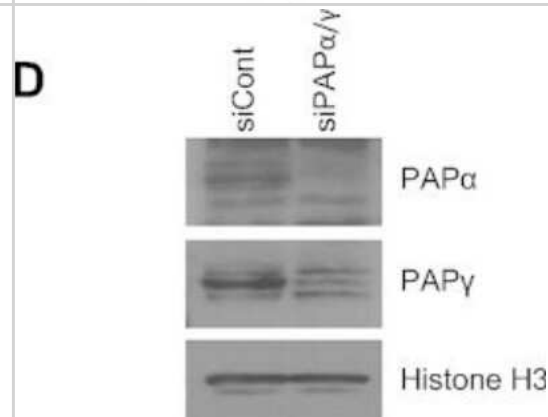


Images

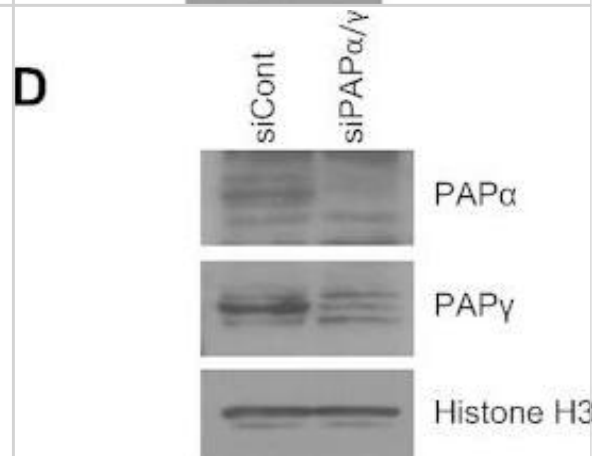
Immunoprecipitation: PAPOLG Antibody [NBP1-30060] - WCL from HeLa cells. NBP1-30060 used for IP at 10 mcg/mg lysate. PAP-gamma was also IPed by rabbit anti-PAP-gamma antibody NBP1-30061. For blotting IPed PAP-gamma, NBP1-30061 was used at 1 mcg/ml.



Western Blot: PAPOLG Antibody [NBP1-30060] - An internal A-tract does not promote splicing in the absence of a 3'-terminal poly(A) tail. Western blot analysis of PAPalpha and PAPgamma (PAPOLG) proteins in cells treated with control or PAPalpha- and PAPgamma-specific siRNAs. Histone H3 is shown as a loading control. Image collected and cropped by CiteAb from the following publication (<https://mcb.asm.org/content/35/13/2218>), licensed under a CC-BY license.



Western Blot: PAPOLG Antibody [NBP1-30060] - An internal A-tract does not promote splicing in the absence of a 3'-terminal poly(A) tail. (A) Schematics of β WT & β AnMEN $\beta\delta$ plasmids, with the positions of the internal A-tracts within exon 3 indicated. Other symbols are the same as in Fig. 1A. (B) RNA immunoprecipitation to assay the level of unspliced β -globin RNAs bound by PABPN1 in HeLa cells transiently transfected with the β WT, β MEN $\beta\delta$, β A20MEN $\beta\delta$, β A40MEN $\beta\delta$, or β A60MEN $\beta\delta$ construct. Values are expressed as % input following normalization to PSMB3 pre-mRNA levels. (C) RT-qPCR analysis of β -globin exon 2 & 3 splicing in HeLa cells transiently transfected with the β WT, β MEN $\beta\delta$, β A20MEN $\beta\delta$, β A40MEN $\beta\delta$, or β A60MEN $\beta\delta$ construct. The level of each RNA species was quantitated relative to that recovered from cells transfected with the β WT construct, which was given a value of 1. (D) Western blot analysis of PAP α & PAP γ proteins in cells treated with control or PAP α - & PAP γ -specific siRNAs. Histone H3 is shown as a loading control. (E) RT-qPCR analysis of exon 2 & 3 splicing in β WT & β A46 δ cells treated with control or PAP α - & PAP γ -specific siRNAs. The level of each RNA species is shown as the fold change compared to the level in control siRNA-treated cells after normalization to GAPDH mRNA. All error bars represent standard deviations for at least three biological replicates. *, $P < 0.05$; **, $P < 0.01$. US, unspliced; Spl, spliced. Image collected & cropped by CiteAb from the following publication (<https://www.tandfonline.com/doi/full/10.1128/MCB.00123-15>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Muniz L, Davidson L, West S. Poly(A) polymerase and the nuclear poly(A) binding protein, PABPN1, coordinate the splicing and degradation of a subset of human pre-mRNAs Mol. Cell. Biol. 2015-04-20 [PMID: 25896913] (WB, Human)



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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-55534PEP	PAPOLG Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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