

Rabbit anti-Human PAN3 Polyclonal Antibody | anti-PAN3 antibody

Rabbit anti-PAN3 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213006	Rabbit	Human	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

PAN3; Polyclonal Antibody; Rabbit anti-PAN3 Antibody; Affinity Purified; PAN3 poly(A) specific ribonuclease subunit homolog; poly(A)-nuclease deadenylation complex subunit 3; PAN2-PAN3 deadenylation complex subunit PAN3; PAN deadenylation complex subunit 3; PABP-dependent poly(A) nuclease 3; PAB-dependent poly(A)-specific ribonuclease subunit PAN3; PAB-dependent poly(A)-specific ribonuclease subunit 3; PAB1P-dependent poly(A)-specific ribonuclease; PAB1P-dependent poly(A)-nuclease; PABP1-dependent poly A-specific ribonuclease subunit PAN3; poly(A) specific ribonuclease subunit PAN3; anti-PAN3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-PAN3 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 175 and 225
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human PAN3 by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-PAN3 antibody AAA213006 (lot AAA213006-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IP (Immunoprecipitation)

Detection of human PAN3 by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-PAN3 antibody AAA213006 (lot AAA213006-1) used for IP at 6 ug per reaction. PAN3 was also immunoprecipitated by rabbit anti-PAN3 antibody BL19308. For blotting immunoprecipitated PAN3, AAA213006 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.

ADDITIONAL INFORMATION

Related Product Information for anti-PAN3 antibody	PAB-dependent poly(A)-specific ribonuclease subunit PAN3 is a regulatory subunit of the poly(A)-nuclease (PAN) deadenylation complex, one of two cytoplasmic mRNA deadenylases involved in general and miRNA-mediated mRNA turnover. PAN specifically shortens poly(A) tails of RNA when the poly(A) stretch is bound by poly(A)-binding protein (PABP), which is followed by rapid degradation of the shortened mRNA tails by the CCR4-NOT complex. Deadenylated mRNAs are then degraded by two alternative mechanisms, namely exosome-mediated 3'-5' exonucleolytic degradation, or deadenylation-dependent mRNA decapping and subsequent 5'-3' exonucleolytic degradation by XRN1. PAN3 acts as a positive regulator for PAN activity, recruiting the catalytic subunit PAN2 to mRNA via its interaction with PABP and to miRNA targets via its interaction with GW182 family proteins [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/Q58A45].
Product Categories/Family for anti-PAN3 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	281427224
NCBI GeneID	255967
NCBI Accession #	NP_787050.6
NCBI GenBank Nucleotide #	NM_175854.7
UniProt Accession #	Q58A45; Q0D2P2; Q5HYG6; Q5T515; Q5T516; Q5TBA0; Q76E13; A0N0X1; A1A4Y8; A1A4Y9; B1ALF1; B7Z3W7
Molecular Weight	72,933 Da
NCBI Official Full Name	PAB-dependent poly(A)-specific ribonuclease subunit PAN3
NCBI Official Synonym Full Names	PAN3 poly(A) specific ribonuclease subunit
NCBI Official Symbol	PAN3
NCBI Protein Information	PAB-dependent poly(A)-specific ribonuclease subunit PAN3; PAB-dependent poly(A)-specific ribonuclease subunit PAN3; PAB1P-dependent poly(A)-nuclease; PABP-dependent poly(A) nuclease 3; PAN deadenylation complex subunit 3; PAN3 poly(A) specific ribonucleas
UniProt Protein Name	PAB-dependent poly(A)-specific ribonuclease subunit PAN3
UniProt Gene Name	PAN3
UniProt Entry Name	PAN3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pan3-antibody-immunoprecipitation-western-blot-elisa/213006>