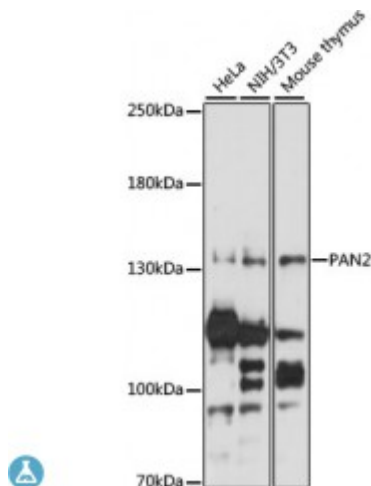


## Anti-PAN2 Antibody



### Description

This gene encodes a deadenylase that functions as the catalytic subunit of the polyadenylate binding protein dependent poly(A) nuclease complex. The encoded protein is a magnesium dependent 3' to 5' exoribonuclease that is involved in the degradation of cytoplasmic mRNAs. Alternate splicing results in multiple transcript variants.

<b>Model</b>	STJ117568
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse
<b>Applications</b>	WB
<b>Immunogen</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 700-1000 of human PAN2 (NP_001120932.1).
<b>Gene ID</b>	<a href="#">9924</a>
<b>Gene Symbol</b>	<a href="#">PAN2</a>
<b>Dilution range</b>	WB 1:200 - 1:2000
<b>Purification</b>	Affinity purification
<b>Note</b>	For Research Use Only (RUO).
<b>Protein Name</b>	PAN2-PAN3 deadenylation complex catalytic subunit PAN2
<b>Molecular Weight</b>	135.368 kDa
<b>Clonality</b>	Polyclonal
<b>Conjugation</b>	Unconjugated

<b>Isotype</b>	IgG
<b>Formulation</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
<b>Storage Instruction</b>	Store at -20C. Avoid freeze / thaw cycles.
<b>Database Links</b>	<a href="https://www.ebi.ac.uk/ENSP/entry/HGNC:20074OMIM:617447Reactome:R-HSA-429947">HGNC:20074OMIM:617447Reactome:R-HSA-429947</a>
<b>Alternative Names</b>	PAN2-PAN3 deadenylation complex catalytic subunit PAN2
<b>Function</b>	Catalytic 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 and the activity is stimulated by poly(A)-binding protein (PABP), PAN deadenylation 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, Also acts as an important regulator of the HIF1A-mediated hypoxic response, Required for HIF1A mRNA stability independent of poly(A) tail length regulation,
<b>Cellular Localization</b>	Cytoplasm

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