

Datasheet for ABIN7599306
anti-PAN2 antibody (AA 1-356)



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Overview

Quantity:	100 µg
Target:	PAN2
Binding Specificity:	AA 1-356
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAN2 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-PAN2 Antibody Picoband®
Immunogen:	E.coli-derived human PAN2 recombinant protein (Position: M1-L356).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-PAN2 Antibody Picoband® (ABIN7599306). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	PAN2
Alternative Name:	PAN2 (PAN2 Products)
Background:	Synonyms: AF4/FMR2 family member 4,ALL1-fused gene from chromosome 5q31 protein,Protein AF-5q31,Major CDK9 elongation factor-associated protein,AFF4,AF5Q31, MCEF,HSPC092, Tissue Specificity: Ubiquitously expressed. Strongly expressed in heart, placenta, skeletal muscle, pancreas and to a lower extent in brain. . Background: PAB-dependent poly(A)-specific ribonuclease subunit 2 is an enzyme that in humans is encoded by the PAN2 gene. 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.
Molecular Weight:	135 kDa
Gene ID:	9924
UniProt:	Q504Q3

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Bett, J. S., Ibrahim, A. F. M., Garg, A. K., Kelly, V., Pedrioli, P., Rocha, S., Hay, R. T. The P-body component USP52/PAN2 is a novel regulator of HIF1A mRNA stability. Biochem. J. 451: 185-194, 2013. 2. Hartz, P. A. Personal Communication. Baltimore, Md. 04/21/2017. 3. Ishikawa, K., Nagase, T., Suyama, M., Miyajima, N., Tanaka, A., Kotani, H., Nomura, N., Ohara, O. Prediction of the coding sequences of unidentified human genes. X. The complete sequences of 100 new cDNA clones from brain which can code for large proteins in vitro. DNA Res. 5: 169-176, 1998.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL

Handling

Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.