

Anti-PARN Antibody Picoband® (monoclonal, 11D8) Biotin Conjugated

Catalog Number: M01501-Biotin

About PARN

Poly (A)-specific ribonuclease (PARN), also known as polyadenylate-specific ribonuclease or deadenylating nuclease (DAN), is an enzyme that in humans is encoded by the PARN gene. The protein encoded by this gene is a 3'-exoribonuclease, with similarity to the RNase D family of 3'-exonucleases. It prefers poly (A) as the substrate, hence, efficiently degrades poly (A) tails of mRNAs. Exonucleolytic degradation of the poly (A) tail is often the first step in the decay of eukaryotic mRNAs. This protein is also involved in silencing of certain maternal mRNAs during oocyte maturation and early embryonic development, as well as in nonsense-mediated decay (NMD) of mRNAs that contain premature stop codons.

Overview

Product Name	Anti-PARN Antibody Picoband® (monoclonal, 11D8) Biotin Conjugated
Reactive Species	Human, Monkey, Mouse, Rat
Clonality	Monoclonal 11D8
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Mouse
Uniprot ID	O95453

Technical Details

Immunogen	E. coli-derived human PARN recombinant protein (Position: M1-Y301).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Mouse IgG2b
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

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