

DATASHEET

PIMT Rabbit Polyclonal Antibody

CAT. NO. APA13167

KEY FEATURES

Target	PIMT	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

Catalyzes the 2 serial methylation steps for the conversion of the 7-monomethylguanosine (m(7)G) caps of snRNAs and snoRNAs to a 2,2,7-trimethylguanosine (m(2,2,7)G) cap structure. The enzyme is specific for guanine, and N7 methylation must precede N2 methylation. Hypermethylation of the m7G cap of U snRNAs leads to their concentration in nuclear foci, their colocalization with coilin and the formation of canonical Cajal bodies (CBs). Plays a role in transcriptional regulation.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

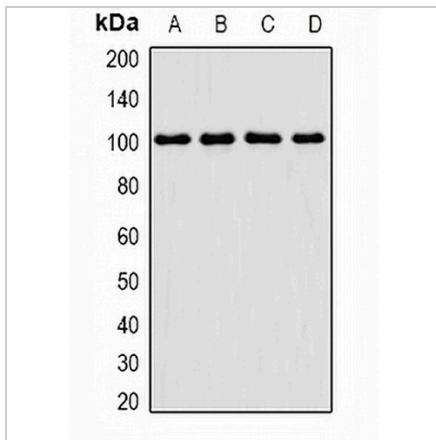
Description	Rabbit polyclonal antibody to PIMT
Specificity	Recognizes endogenous levels of PIMT protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human PIMT
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 96 kD; Observed: 97 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	HCA137; NCOA6IP; PIMT; Trimethylguanosine synthase; CLL-associated antigen KW-2; Cap-specific guanine-N2 methyltransferase; Hepatocellular carcinoma-associated antigen 137; Nuclear receptor coactivator 6-interacting protein; PRIP-interacting protein with methyltransferase motif; PIMT; PIPMT
Gene Symbol	TGS1
Entrez Gene	96764(Human); 116940(Mouse); 312947(Rat)
SwissProt	Q96RS0(Human); Q923W1(Mouse); P85107(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of PIMT expression in Jurkat (A), MCF7 (B), mouse thymus (C), mouse testis (D) whole cell lysates. (Predicted band size: 96 kD; Observed band size: 97 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.