

NOLA1 Polyclonal Antibody

Catalog NumberPA1-27677

Product data sheet

Details		Species Reactivity	
Size	50 µg	Species reactivity	Human, Mouse
Host/Isotope	Chicken / IgY	Tested Applications	
Class	Polyclonal	Dilution *	
Type	Antibody	Western Blot (WB)	1:2,000
Immunogen	Synthetic peptide corresponding to human H/ACA ribonucleoprotein complex subunit 1.	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

PA1-27677 detects NOLA1 from human and mouse samples. PA1-27677 may be successfully used in Western blot applications. By Western blot, this antibody has only been tested on fusion protein. The PA1-27720 immunogen is a synthetic peptide corresponding to human H/ACA ribonucleoprotein complex subunit 1.

Background/Target Information

Required for ribosome biogenesis and telomere maintenance. NOLA1 is part of the H/ACA small nucleolar ribonucleoprotein (H/ACA snoRNP) complex, which catalyzes pseudouridylation of rRNA. This involves the isomerization of uridine such that the ribose is subsequently attached to C5, instead of the normal N1. Each rRNA can contain up to 100 pseudouridine ("psi") residues, which may serve to stabilize the conformation of rRNAs. NOLA1 may also be required for correct processing or intranuclear trafficking of TERC, the RNA component of the telomerase reverse transcriptase (TERT) holoenzyme.

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