ProSci

prosci-inc.com

HIGH PERFORMANCE ANTIBODIES ... AND MORE

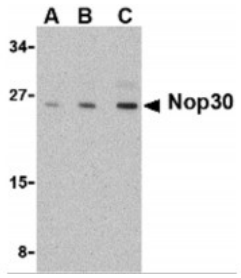
ProSci Incorporated
12170 Flint Place
Poway, CA 92064

Toll Free: +1 (888) 513 9525
Local: +1 (858) 513 2638
Fax: +1 (858) 513 2692

techsupport@prosci-inc.com

Nop30 Antibody

CATALOG NUMBER: 2225



Western blot analysis of Nop30 in mouse muscle tissue lysate with Nop30 antibody at (A) 0.5, (B) 1 and (C) 2 ug/mL.

Specifications

SPECIES REACTIVITY:	Human, Mouse, Rat
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	Nop30 antibody can be used for detection of Nop30 by Western blot at 0.5 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 0.5 ug/mL.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
POSITIVE CONTROL:	1) Cat. No. 1407 - Mouse Skeletal Muscle Tissue Lysate
IMMUNOGEN:	Nop30 antibody was raised against a 14 amino acid synthetic peptide from near the carboxy terminus of human Nop30. The immunogen is located within the last 50 amino acids of Nop30.
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Nop30 Antibody is affinity chromatography purified via peptide column.
PHYSICAL STATE:	Liquid
BUFFER:	Nop30 Antibody is supplied in PBS containing 0.02% sodium azide.
STORAGE CONDITIONS:	Nop30 antibody can be stored at 4˚C for three months and -20˚C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
CLONALITY:	Polyclonal
ISOTYPE:	IgG
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	Nop30 Antibody: ARC, FCM, MYP, NOP, NOP30, ARC, Nucleolar protein 3, Apoptosis repressor with CARD, Myp
ACCESSION NO.:	NP_001171986

PROTEIN GI NO.:	15215394
OFFICIAL SYMBOL:	NOL3
GENE ID:	8996

Background

BACKGROUND:	Nop30 Antibody: Apoptosis, also known as programmed cell death, plays major roles in development and normal tissue turnover in addition to tumor formation. Apoptosis is regulated by death domain (DD) and/or caspase recruitment domain (CARD) containing molecules and the caspase family of proteases. CARD domain containing cell death regulators include RAIDD, Apaf-1, caspase-9, and caspase-2. A novel CARD domain containing protein was recently identified and designated ARC for apoptosis repressor with CARD. An alternate splicing isoform of ARC was identified as Nop30. While ARC interacts with caspase-2 and -8 and suppresses apoptosis induced by cell death adapters FADD and TRADD and by cell death receptors Fas, TNFR-1 and DR3, Nop30 multimerizes and binds to the splicing factor SRp30c and may act to influence alternative splice site selection in vivo. The Nop30 antibody will not detect ARC protein.
REFERENCES:	1) Jin Z and El Deiry WS. Overview of cell death signaling pathways. Cancer Biol. Ther. 2004; 4:139-63.
	2) Koseki T, Inohara N, Chen S, et al. ARC, an inhibitor of apoptosis expressed in skeletal muscle and heart that interacts selectively with caspases. Proc. Natl. Acad. Sci. USA 1998; 95:5156-60.
	3) Stoss O, Schwaiger FW, Cooper TA, et al. Alternative splicing determines the intracellular localization of the novel nuclear protein Nop30 and its interaction with the splicing factor SRp30c. J. Biol. Chem.1999; 274:10951-62

FOR RESEARCH USE ONLY

December 12, 2016