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NVL Rabbit pAb

Catalog # AP97368

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	O15381
Other Accession	O15381
Reactivity	Rat, Mouse
Predicted	Human, Chicken, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	95051
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NVL
Epitope Specificity	321-420/856
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the AAA ATPase family.
SUBUNIT	Interacts with NCL/nucleolin.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the AAA (ATPases associated with diverse cellular activities) superfamily. Multiple transcript variants encoding different isoforms have been found for this gene. Two encoded proteins, described as major and minor isoforms, have been localized to distinct regions of the nucleus. The largest encoded protein (major isoform) has been localized to the nucleolus and shown to participate in ribosome biosynthesis (PMID: 15469983, 16782053), while the minor isoform has been localized to the nucleoplasmin. [provided by RefSeq, Aug 2011]

Additional Information

Gene ID	4931
Other Names	NVL2; NVL_HUMAN; NVL; NVLp; Nuclear VCP-like protein; nuclear VCP like; Nuclear valosin-containing protein-like
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	NVL (HGNC:8070)
Function	Participates in the assembly of the telomerase holoenzyme and effecting of telomerase activity via its interaction with TERT (PubMed:22226966). Involved in both early and late stages of the pre- rRNA processing pathways (PubMed:26166824). Spatiotemporally regulates 60S ribosomal subunit biogenesis in the nucleolus (PubMed:15469983, PubMed:16782053, PubMed:26456651, PubMed:29107693). Catalyzes the release of specific assembly factors, such as WDR74, from pre-60S ribosomal particles through the ATPase activity (PubMed:26456651, PubMed:28416111, PubMed:29107693).
Cellular Location	[Isoform 2]: Nucleus, nucleoplasm
Tissue Location	Widely expressed. Highest level of expression in heart, placenta, skeletal muscle, pancreas and retina

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.