10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-NVL Antibody

Catalog # AP51405

Product Information

Application	WB
Primary Accession	O15381
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	95051

Additional Information

Gene ID	4931
Other Names	Nuclear valosin-containing protein-like; NVLp; Nuclear VCP-like protein
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human NVL. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

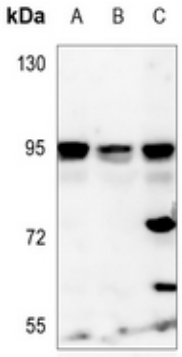
Protein Information

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

References

Germain-Lee E.L.,et al.Genomics 44:22-34(1997).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Gregory S.G.,et al.Nature 441:315-321(2006).
Scherl A.,et al.Mol. Biol. Cell 13:4100-4109(2002).
Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).

Images



Western blot analysis of NVL expression in mouse kidney (A), rat liver (B), rat kidney (C) whole cell lysates.
(Predicted band size: 95 kD; Observed band size: 95 kD)

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