

NVL Antibody

Purified Rabbit Polyclonal Antibody (Pab)

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, NVL
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human NVL. The exact sequence is proprietary.
Dilution	WB~~1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
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).

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