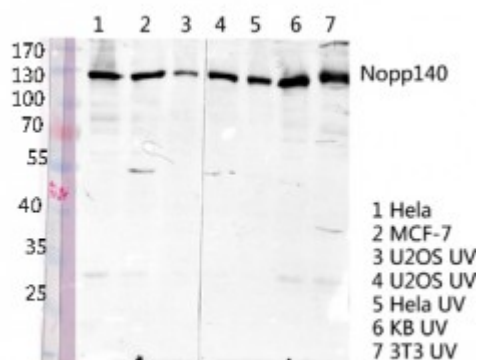


Anti-Nopp140 antibody



Description	Rabbit polyclonal to Nopp140.
Model	STJ94531
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human Nopp140
Immunogen Region	620-700 aa, C-terminal
Gene ID	9221
Gene Symbol	NOLC1
Dilution range	WB 1:500-1:2000ELISA 1:40000
Specificity	Nopp140 Polyclonal Antibody detects endogenous levels of Nopp140 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Nucleolar and coiled-body phosphoprotein 1 140 kDa nucleolar phosphoprotein Nopp140 Hepatitis C virus NS5A-transactivated protein 13 HCV NS5A-transactivated protein 13 Nucleolar 130 kDa protein Nucleolar phosphoprotein
Molecular Weight	74 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:15608 OMIM:602394
Alternative Names	Nucleolar and coiled-body phosphoprotein 1 140 kDa nucleolar phosphoprotein Nopp140 Hepatitis C virus NS5A-transactivated protein 13 HCV NS5A-transactivated protein 13 Nucleolar 130 kDa protein Nucleolar phosphoprotein
Function	Nucleolar protein that acts as a regulator of RNA polymerase I by connecting RNA polymerase I with enzymes responsible for ribosomal processing and modification . Required for neural crest specification: following monoubiquitination by the BCR(KBTBD8) complex, associates with TCOF1 and acts as a platform to connect RNA polymerase I with enzymes responsible for ribosomal processing and modification, leading to remodel the translational program of differentiating cells in favor of neural crest specification . Involved in nucleologenesis, possibly by playing a role in the maintenance of the fundamental structure of the fibrillar center and dense fibrillar component in the nucleolus . It has intrinsic GTPase and ATPase activities .
Cellular Localization	Nucleus, nucleolus Cytoplasm. Shuttles between the nucleolus and the cytoplasm. At telophase it begins to assemble into granular-like pre-nucleolar bodies which are subsequently relocated to nucleoli at the early G1-phase.
Post-translational Modifications	Undergoes rapid and massive phosphorylation/dephosphorylation cycles on CK2 and PKC sites. NOLC1 is one of the mostly phosphorylated proteins in the cell. Ubiquitinated. Monoubiquitination by the BCR(KBTBD8) complex promotes the formation of a NOLC1-TCOF1 complex that acts as a platform to connect RNA polymerase I with enzymes responsible for ribosomal processing and modification, leading to remodel the translational program of differentiating cells in favor of neural crest specification .