

Anti-NOLC1 Rabbit mAb

Purified Rabbit Monoclonal Antibody

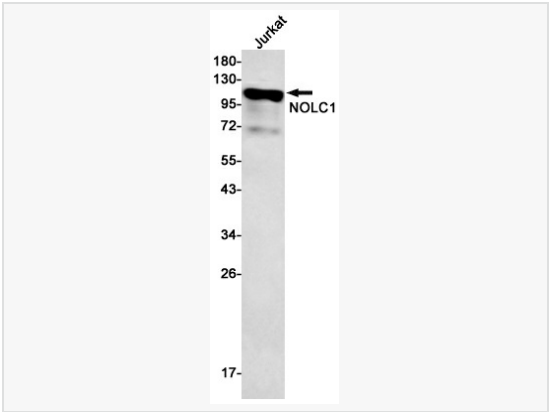
Catalog # R010439

Product Information

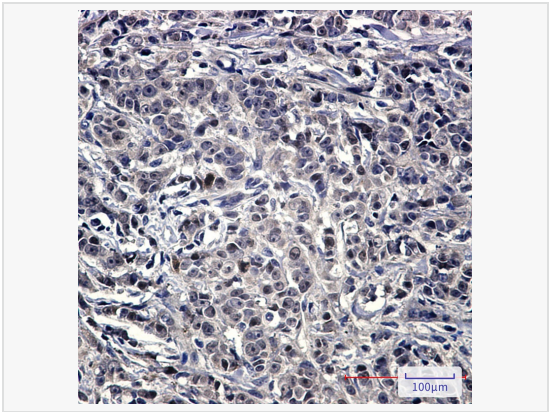
Application	WB, IHC-F/IF (Tissue-F), IHC-P/IF (Tissue-P), ICC/IF (Cell), ELISA
Reactivity	Human
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100; IF 1:50~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	90K32L53
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide of human NOLC1
Format	Buffer System: 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-NOLC1 antibody [90K32L53] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

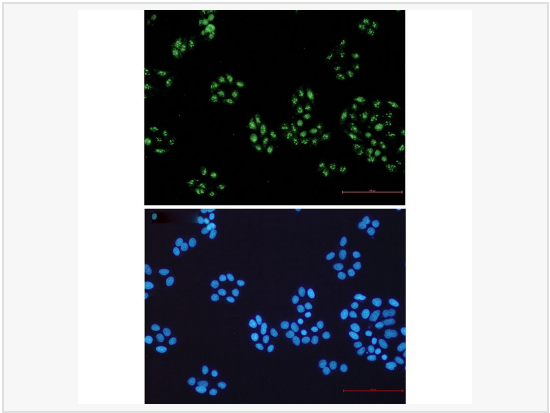
Synonyms	P130, NOPP130, NOPP140, NS5ATP13.
Calculated MW	Calculated MW: 74 kDa; Observed MW: 110 kDa
Uniprot ID	Q14978
Gene ID	9221
Background	Nucleolar protein that acts as a regulator of RNA polymerase I by connecting RNA polymerase I with enzymes responsible for ribosomal processing and modification (PubMed:10567578, PubMed:26399832). 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 (PubMed:26399832). 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 (PubMed:9016786). It has intrinsic GTPase and ATPase activities (PubMed:9016786).



Western blot analysis of NOLC1 in Jurkat lysates using NOLC1 antibody.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer using NOLC1 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunocytochemistry analysis of NOLC1 (green) in Hela using NOLC1 antibody and DAPI (blue)