antibodies - online.com







anti-NPM1 antibody (AA 21-120)

Images



Publication



Overview

Quantity:	100 μL
Target:	NPM1
Binding Specificity:	AA 21-120
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NPM1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)),
	Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured
	Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Nucleophosmin
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.
Tanad Dataila	

Target Details

Target: NPM1

Target Details

Alternative Name:	Nucleophosmin (NPM1 Products)
Background:	Synonyms: B23, NPM, Nucleophosmin, Nucleolar phosphoprotein B23, Nucleolar protein NO38
	Numatrin, NPM1
	Background: Involved in diverse cellular processes such as ribosome biogenesis, centrosome
	duplication, protein chaperoning, histone assembly, cell proliferation, and regulation of tumor
	suppressors p53/TP53 and ARF. Binds ribosome presumably to drive ribosome nuclear export
	Associated with nucleolar ribonucleoprotein structures and bind single-stranded nucleic acids.
	Acts as a chaperonin for the core histones H3, H2B and H4. Stimulates APEX1 endonuclease
	activity on apurinic/apyrimidinic (AP) double-stranded DNA but inhibits APEX1 endonuclease
	activity on AP single-stranded RNA. May exert a control of APEX1 endonuclease activity within
	nucleoli devoted to repair AP on rDNA and the removal of oxidized rRNA molecules. In concert
	with BRCA2, regulates centrosome duplication. Regulates centriole duplication:
	phosphorylation by PLK2 is able to trigger centriole replication. Negatively regulates the
	activation of EIF2AK2/PKR and suppresses apoptosis through inhibition of EIF2AK2/PKR
	autophosphorylation.
Gene ID:	4869
UniProt:	P06748
Pathways:	Ribonucleoprotein Complex Subunit Organization, Ribosome Assembly
Application Details	
Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid

Handling

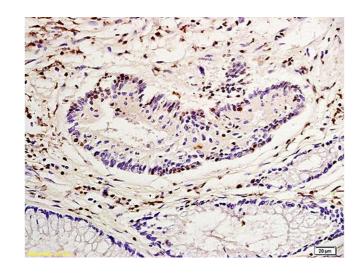
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:

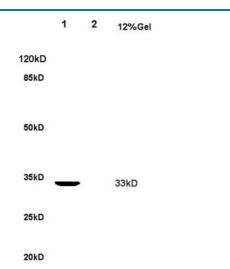
Jiang, Xie, Cai, Ren, Ma: "Effects of hepatitis C virus core protein and nonstructural protein 4B on the Wnt/β-catenin pathway." in: **BMC microbiology**, Vol. 17, Issue 1, pp. 124, (2017) (PubMed).

Images



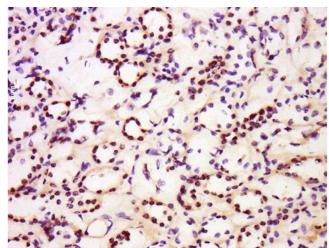
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human colon carcinoma labeled with Anti-Nucleophosmin Polyclonal Antibody, Unconjugated (ABIN1387533) at 1:200 followed by conjugation to the secondary antibody and DAB staining



SDS-PAGE

Image 2. L1 rat kidney lysate L2 rat brain lysates probed with Anti Nucleophosmin Polyclonal Antibody, Unconjugated (ABIN1387533) at 1:200 overnight at 4 °C. Followed by conjugation to secondary antibody at 1:3000 for 90 min at 37 °C. Predicted band 33kD. Observed band size: 33kD



Western Blotting

Image 3. Formalin-fixed and paraffin embedded human kidney labeled with Anti-Nucleophosmin Polyclonal Antibody, Unconjugated at 1:300 followed by conjugation to the secondary antibody and DAB staining.