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anti-NPM1 antibody (pThr199)





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	IV/E	۱//۱۲	$I \cap V$

Quantity:	100 μL	
Target:	NPM1	
Binding Specificity:	pThr199	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This NPM1 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)	
Product Details		

Product Details

Immunogen:	A synthesized peptide derived from human Nucleophosmin around the phosphorylation site of Thr199.
Isotype:	IgG
Specificity:	Phospho-Nucleophosmin (Thr199) Antibody detects endogenous levels of Nucleophosmin only when phosphorylated at Threonine 199.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit,Dog
Purification:	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.

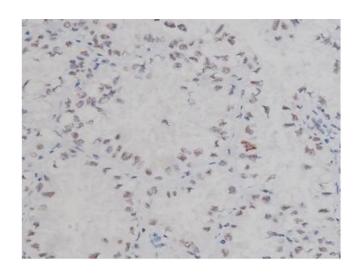
Target Details

Target:	NPM1 (NPM1 Products)	
Alternative Name:		
Background:	Description: 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. Antagonizes the inhibitory effect of ATF5 on cell proliferation and relieves	
	ATF5-induced G2/M blockade (PubMed:22528486). In complex with MYC enhances the	
	transcription of MYC target genes (PubMed:25956029).	
	Gene: NPM1	
Molecular Weight:	32/38kDa	
Gene ID:	4869	
UniProt:	P06748	
Pathways:	Ribonucleoprotein Complex Subunit Organization, Ribosome Assembly	
Application Details		
Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	1 mg/mL	
Buffer:	Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.	

Handling

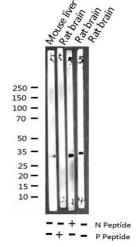
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

Images



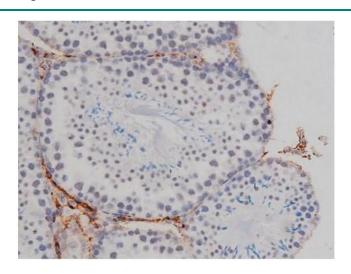
Immunohistochemistry

Image 1. ABIN6267323 at 1/200 staining Human lung cancer tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



Western Blotting

Image 2. Western blot analysis of Phospho-NPM (Thr199) expression in various lysates



Immunohistochemistry

Image 3. ABIN6267323 at 1/200 staining Mouse testis tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

Please check the product details page for more images. Overall 8 images are available for ABIN6256499.