

B23 Polyclonal Antibody

Catalog number: 10306-1-AP

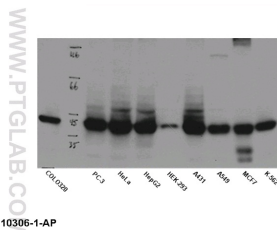
Size: 30 µg/150 µl

Source: Rabbit

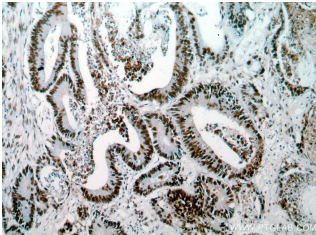
Isotype: IgG

Synonyms:

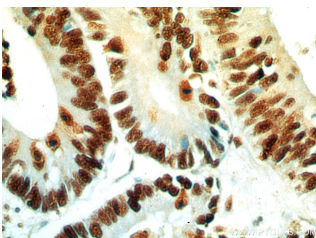
NPM1; B23, NPM1, Nucleolar phosphoprotein B23, Nucleolar protein NO38, Nucleophosmin, Numatrin



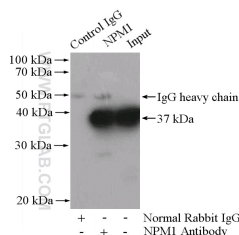
WB result of anti-NPM1 (10306-1-AP) in different cell lysates.



Immunohistochemical of paraffin-embedded human colon cancer using 10306-1-AP (NPM1 antibody) at dilution of 1:100 (under 10x lens)



Immunohistochemical of paraffin-embedded human colon cancer using 10306-1-AP (NPM1 antibody) at dilution of 1:100 (under 40x lens)



IP Result of anti-B23

(IP:10306-1-AP, 4µg;

Background

Nucleophosmin (NPM1,B23) is a putative ribosome assembly factor with a high affinity for peptides containing nuclear localization signals (NLSs). The transport of proteins across the nuclear envelope is a selective, multistep process involving several cytoplasmic factors. Proteins must be recognized as import substrates, dock at the nuclear pore complex and translocate across the nuclear envelope in an ATP-dependent fashion. Several cytosolic and nuclear proteins that are central to this process have been identified. The 38 kDa nuclear protein nucleophosmin is involved in ribosomal assembly and rRNA transport. It is an abundant protein that is highly phosphorylated by Cdc2 kinase during mitosis.

Applications

Tested applications:	ELISA, IHC, WB, IP
Cited applications:	IF
Species specificity:	Human; other species not tested.
Cited species:	Mouse
Calculated B23 MW:	33 kDa
Observed B23 MW:	35-40kd
Positive WB detected in	Multi-cells, HEK-293 cells, HeLa cells, Jurkat cells, K-562 cells
Positive IP detected in	Jurkat cells
Positive IHC detected in	Human colon cancer tissue, human breast cancer tissue
Recommended dilution:	WB: 1:500-1:5000 IP: 1:1000-1:10000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag0286
GenBank accession number:	BC002398
Gene ID (NCBI):	4869
Full name:	Nucleophosmin (nucleolar phosphoprotein B23, numatrin)

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

Detection:10306-1-AP 1:2000)
with Jurkat cells lysate
3200ug.