

## Mouse Monoclonal Antibody to Nucleophosmin

Catalogue Number	sAP-0001
Target Molecule	<b>Name: Nucleophosmin</b> <b>Aliases:</b> B23; NPM <b>MW:</b> 33kDa <b>Entrez Gene ID:</b> 4869
Description	Nucleophosmin (NPM), also named B23 or NO38, is a major nucleolar protein which is 20 times more abundant in tumor or proliferating cells than in normal resting cells. NPM has been implicated in several distinct cellular functions, including assembly and transport of ribosomes, cytoplasmic/nuclear trafficking, regulation of DNA polymerase alpha activity, centrosome duplication and molecular chaperoning activities. The NPM is also known for its fusion with the anaplastic lymphoma kinase (ALK) receptor tyrosine kinase. The NPM portion contributes to transformation by providing a dimerization domain, which results in activation of the fused kinase.
Immunogen	Purified recombinant fragment of human NPM (2-265) expressed in E. Coli.
Reactive Species	Human; Monkey;
Clone	MM7H10B9;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Morris SW, et al Science 1994 Mar 4; 263(5151):1281-4. ; 2. Yoneda-Kato N Oncogene 1996 Jan 18;12(2):265-75. ; ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**