

For Research Use Only

NSBP1 Polyclonal antibody

Catalog Number: 23955-1-AP

1 Publications



Basic Information

Catalog Number: 23955-1-AP	GenBank Accession Number: BC005342	Purification Method: Antigen Affinity purified
Size: 150ul, Concentration: 550 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 79366	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	UNIPROT ID: P82970	IHC 1:200-1:800
Isotype: IgG	Full Name: nucleosomal binding protein 1	IF/ICC 1:300-1:1200
Immunogen Catalog Number: AG20884	Calculated MW: 282 aa, 32 kDa	
	Observed MW: 55 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : PC-3 cells, HeLa cells, HepG2 cells
Cited Applications: WB	IHC : human testis tissue,
Species Specificity: human	IF/ICC : HepG2 cells,
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

NSBP1, also named Nucleosome-binding protein 1 or HMGN5, is a 282 amino acid protein, which belongs to the HMGN family. NSBP1 localizes in the nucleus and is ubiquitously expressed. NSBP1 preferentially binds to euchromatin and modulates cellular transcription by counteracting linker histone-mediated chromatin compaction. Western blots shows the expression of NSBP1 as a 55kDa protein in human bladder cancer cells. (PMID: 21695596).

Notable Publications

Author	Pubmed ID	Journal	Application
G-J Zhu	33629303	Eur Rev Med Pharmacol Sci	WB

Storage

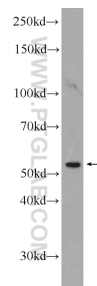
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

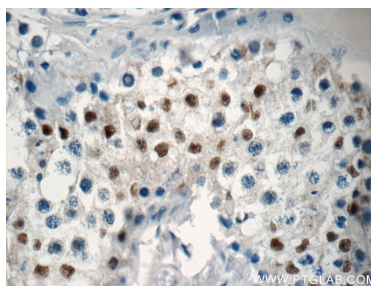
For technical support and original validation data for this product please contact:
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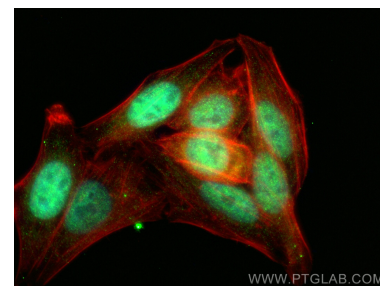
Selected Validation Data



PC-3 cells were subjected to SDS PAGE followed by western blot with 23955-1-AP (NSBP1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 23955-1-AP (NSBP1 Antibody) at dilution of 1:400 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using NSBP1 antibody (23955-1-AP) at dilution of 1:600 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).