

## nucleobindin 1 Polyclonal Antibody

Catalog number: 10228-1-AP

Size: 53 µg/150 µl

Source: Rabbit

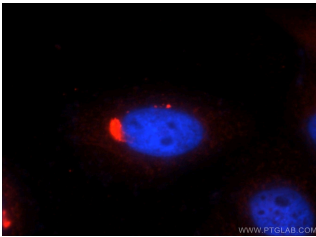
Isotype: IgG

Synonyms:

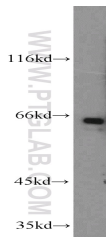
NUCB1; CALNUC,

DKFZp686A15286, FLJ40471,

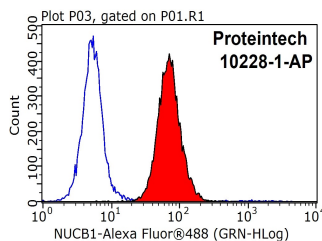
NUC, NUCB1, nucleobindin 1



Immunofluorescent analysis of HepG2 cells, using NUCB1 antibody 10228-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



MCF7 cells were subjected to SDS PAGE followed by western blot with 10228-1-AP (NUCB1 antibody) at dilution of 1:1000



1X10<sup>6</sup> HepG2 cells were stained with 0.2µg NUCB1 antibody (10228-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.

### Background

Nucleobindin (Nuc) was first identified as a secreted protein of 55 kDa that promotes production of DNA-specific antibodies in lupus-prone MRL/lpr mice. Nuc contains a signal peptide, a DNA-binding site, two calcium-binding motifs (EF-hand motifs), and a leucine zipper. Nucleobindin is found in both cytosol and membrane and is localized to cis-Golgi cisternae and the cis-Golgi network (CGN). Nucleobindin is involved in autoimmunity, apoptosis and calcium homeostasis in the bone matrix. NUC was located at human chromosome 19q13.2-q13.4.

### Applications

Tested applications:	ELISA, WB, IF, FC, IP
Cited applications:	WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Mouse
Calculated nucleobindin 1 MW:	55 kDa
Observed nucleobindin 1 MW:	63 kDa
Positive WB detected in	MCF7 cells, A431 cells, HeLa cells, HepG2 cells
Positive IP detected in	HepG2 cells
Positive IF detected in	HepG2 cells
Positive FC detected in	HepG2 cells
Recommended dilution:	WB: 1:200-1:2000 IP: 1:500-1:5000 IF: 1:20-1:200 FC: N/A

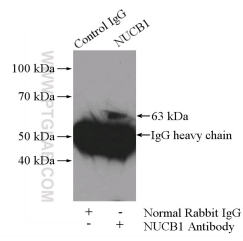
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag0290
GenBank accession number:	BC002356
Gene ID (NCBI):	4924
Full name:	Nucleobindin 1

### Product information

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



**IP Result of anti-NUCB1**  
**(IP:10228-1-AP, 4ug;**  
**Detection:10228-1-AP 1:1000)**  
**with HepG2 cells lysate**  
**2400ug.**