

NUSAP1 Polyclonal Antibody

Catalog number: 12024-1-AP

Size: 27 µg/150 µl

Source: Rabbit

Isotype: IgG

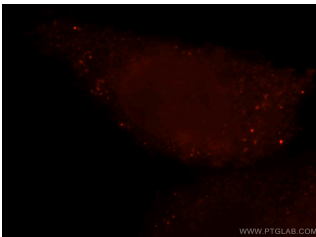
Synonyms:

NUSAP1; ANKT, BM037,

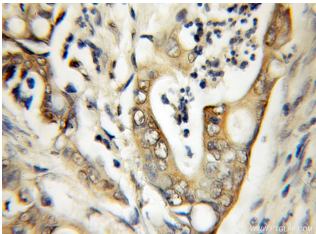
FLJ13421, LNP, NuSAP,

NUSAP1, PRO0310,

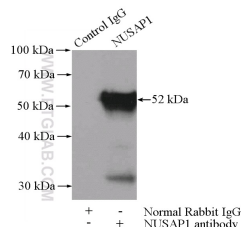
PRO0310p1, Q0310, SAPL



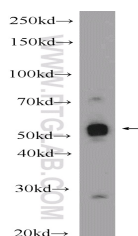
Immunofluorescent analysis of HepG2 cells, using NUSAP1 antibody 12024-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical of paraffin-embedded human colon cancer using 12024-1-AP(NUSAP1 antibody) at dilution of 1:50 (under 10x lens)



IP Result of anti-NUSAP1 (IP:12024-1-AP, 4µg; Detection:12024-1-AP 1:500) with HeLa cells lysate 2000µg.



Background

NUSAP1, also named as ANKT, belongs to the NUSAP family. It is microtubule-associated protein with the capacity to bundle and stabilize microtubules. NUSAP1 may associate with chromosomes and promote the organization of mitotic spindle microtubules around them. NUSAP1 plays a role in connecting apoptosis with cell migration and it is a potentially involved in morphogenesis in vertebrates (PMID:21203972). NUSAP1 is an immunogenic antigen in 65% of patients with AML following allogeneic HCT and suggests a tumor antigen role(PMID:20053754). NuSAP1 protein level is tightly regulated by the APC/C ubiquitin ligase complex and NuSAP induces mitotic arrest dependent of its microtubule affinity (PMID:17618083). NUSAP1 is overexpressed in pituitary adenomas.

Applications

Tested applications:	ELISA, IHC, IF, WB, IP
Cited applications:	IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, rat
Calculated NUSAP1 MW:	440aa,49 kDa
Observed NUSAP1 MW:	47-52 kDa
Positive WB detected in	Rat colon tissue, HeLa cells, mouse kidney tissue, mouse thymus tissue
Positive IP detected in	HeLa cells
Positive IHC detected in	Human colon cancer tissue, human pituitary adenoma tissue, human prostate cancer tissue
Positive IF detected in	HepG2 cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:2000 IHC: 1:20-1:200 IF: 1:20-1:200

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

Immunogen information

Immunogen:	Ag2654
GenBank accession number:	BC001308
Gene ID (NCBI):	51203
Full name:	Nucleolar and spindle associated protein 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.

rat colon tissue were
subjected to SDS PAGE
followed by western blot with
12024-1-AP(NUSAP1
Antibody) at dilution of
1:1000