

Rabbit anti-Human NUSAP1 Polyclonal Antibody | anti-NUSAP1 antibody

NUSAP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324921	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

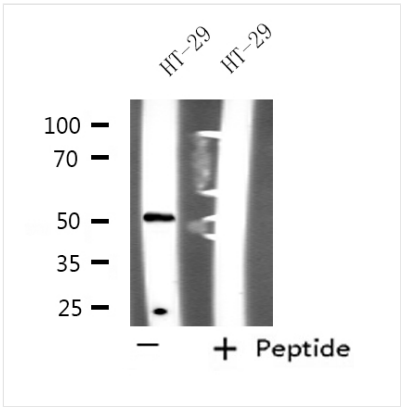
PRODUCT SYNONYMS

NUSAP1; Polyclonal Antibody; NUSAP1 Antibody; 2610201A12Rik; AI481307; ANKT; AW547774; BB165529; BM037; FLJ13421; LNP; Nucleolar and spindle associated protein 1; Nucleolar and spindle-associated protein 1; Nucleolar protein ANKT; NuSAP; NUSAP_HUMAN; nusap1; PRO0310p1; Q0310; RP23-22A15.4; SAPL; anti-NUSAP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	NUSAP1 antibody detects endogenous levels of total NUSAP1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	439
Applicable Applications for anti-NUSAP1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm. Nucleus > Nucleolus. Cytoplasm > Cytoskeleton > Spindle. Chromosome. Found in the cytoplasm and nucleolus during interphase and redistributes to the mitotic spindle in prometaphase (By similarity). Localizes to the mitotic spindle during anaphase and telophase then disappears from around the chromosomes during cytokinesis (By similarity). Localizes to multiple distinct regions of chromosomes throughout mitosis.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (82%), Xenopus (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from HT-29 cells, using NUSAP1 antibody.



IF (Immunofluorescence)
AAA324921 staining HT29 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-NUSAP1 antibody	Function: Microtubule-associated protein with the capacity to bundle and stabilize microtubules (By similarity). May associate with chromosomes and promote the organization of mitotic spindle microtubules around them. Subunit Structure: Interacts with DNA and microtubules. Microtubule bundling is inhibited by IPO7, KPNA2 and KPNB1 while association with DNA is also inhibited by IPO7 and KPNA2 (By similarity). Post-translational Modifications: Ubiquitinated. Ubiquitination by FZR1 may lead to proteasome-dependent degradation of this protein. Phosphorylation by ATM in G2/M-phase induces mitotic arrest. Similarity: The KEN box is required for the FZR1-dependent degradation of this protein subsequent to ubiquitination. Belongs to the NUSAP family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	341865560
NCBI GeneID	51203
NCBI Accession #	NP_001230071.1
NCBI GenBank Nucleotide #	NM_001243142.1
UniProt Accession #	Q9BXS6; Q53GW2; Q8TBT4; Q96E58; Q96FJ1; Q9GZM9; Q9NZ85; Q9UI70; B4DDF1; E7ERR5; J3KN21
Molecular Weight	Observed: 49 kD Predicted: 50 kDa
NCBI Official Full Name	nucleolar and spindle-associated protein 1 isoform 4
NCBI Official Synonym Full Names	nucleolar and spindle associated protein 1
NCBI Official Symbol	NUSAP1
NCBI Official Synonym Symbols	LNP; ANKT; SAPL; BM037; NUSAP; Q0310; PRO0310p1
NCBI Protein Information	nucleolar and spindle-associated protein 1
UniProt Protein Name	Nucleolar and spindle-associated protein 1
UniProt Gene Name	NUSAP1
UniProt Synonym Gene Names	ANKT; NuSAP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

