

ANKT Polyclonal Antibody

Catalog No :	YT0233
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA
Target :	ANKT
Gene Name :	NUSAP1
Protein Name :	Nucleolar and spindle-associated protein 1
Human Gene Id :	51203
Human Swiss Prot No :	Q9BXS6
Mouse Swiss Prot No :	Q9ERH4
Immunogen :	The antiserum was produced against synthesized peptide derived from human NUSAP1. AA range:392-441
Specificity :	ANKT Polyclonal Antibody detects endogenous levels of ANKT protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	49kD

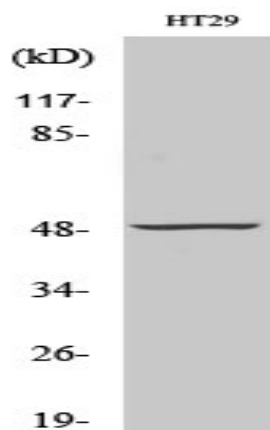
Background : NUSAP1 is a nucleolar-spindle-associated protein that plays a role in spindle microtubule organization (Raemaekers et al., 2003 [PubMed 12963707]).[supplied by OMIM, Jun 2009],

Function : domain:The KEN box is required for the FZR1-dependent degradation of this protein subsequent to ubiquitination.,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.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,PTM:Ubiquitinated. Ubiquitination by FZR1 may lead to proteasome-dependent degradation of this protein.,similarity:Belongs to the NUSAP family.,subcellular location: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.,

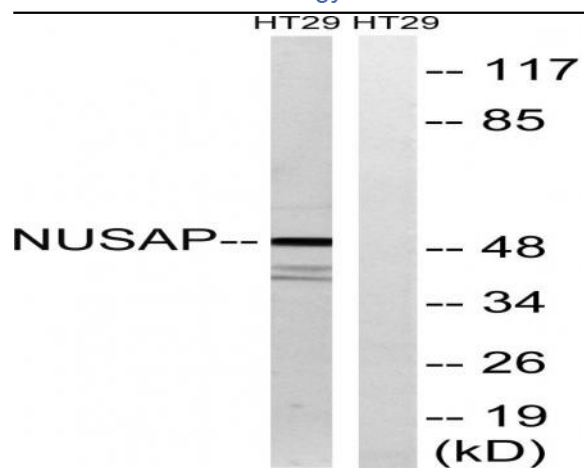
Subcellular Location : Cytoplasm . Nucleus, nucleolus . Cytoplasm, cytoskeleton, spindle . Chromosome . Found in the cytoplasm and nucleolus during interphase and redistributes to the mitotic spindle in prometaphase (By similarity). Localizes to the mitotic spindle during anaphase and telophase then disappears from around the chromosomes during cytokinesis (By similarity). Localizes to multiple distinct regions of chromosomes throughout mitosis. .

Expression : Bone marrow,Cervix,Epithelium,Fetal liver,Liver,Lung,Lymph,

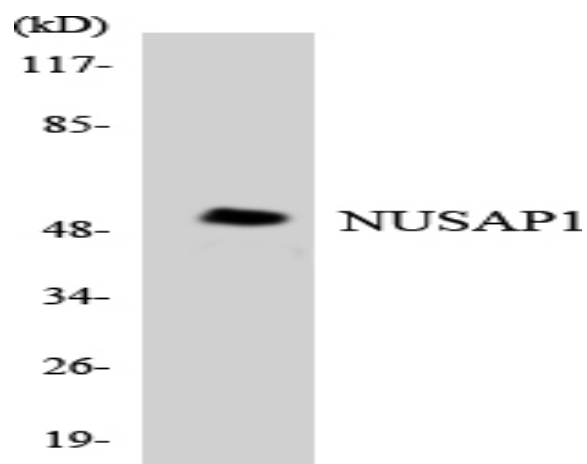
Products Images



Western Blot analysis of various cells using ANKT Polyclonal Antibody



Western blot analysis of lysates from HT-29 cells, using NUSAP1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HT-29 cells using NUSAP1 antibody.