



# ANKT Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-00298
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	NUSAP1
<b>Protein Name</b>	Nucleolar and spindle-associated protein 1
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human NUSAP1. AA range:392-441
<b>Specificity</b>	ANKT Polyclonal Antibody detects endogenous levels of ANKT protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	NUSAP1; ANKT; BM-037; Nucleolar and spindle-associated protein 1; NuSAP
<b>Observed Band</b>	49kD
<b>Cell Pathway</b>	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. .
<b>Tissue Specificity</b>	Bone marrow,Cervix,Epithelium,Fetal liver,Liver,Lung,Lymph,
<b>Function</b>	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.,

**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],

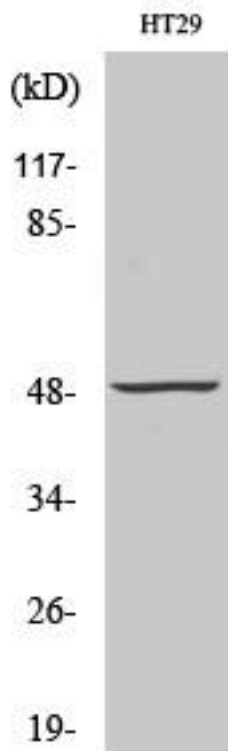
**matters needing attention**

Avoid repeated freezing and thawing!

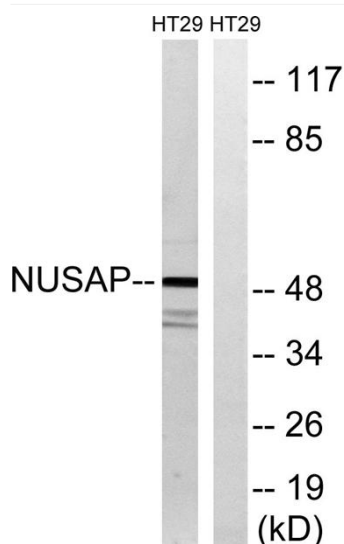
**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

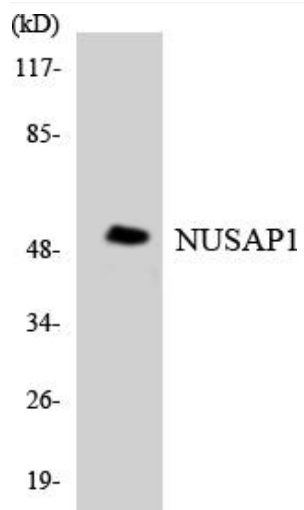
**Products Images**



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.