

**NUPR1 rabbit pAb**

<b>Catalog No :</b>	YT8077
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	IHC;WB
<b>Target :</b>	NUPR1
<b>Gene Name :</b>	NUPR1 COM1
<b>Protein Name :</b>	Nuclear protein 1 (Candidate of metastasis 1) (Protein p8)
<b>Human Gene Id :</b>	26471
<b>Human Swiss Prot No :</b>	O60356
<b>Mouse Gene Id :</b>	56312
<b>Mouse Swiss Prot No :</b>	Q9WTK0
<b>Rat Gene Id :</b>	113900
<b>Rat Swiss Prot No :</b>	O54842
<b>Immunogen :</b>	Synthesized peptide derived from human C-terminal NUPR1
<b>Specificity :</b>	This antibody detects endogenous levels of NUPR1 at Human, Mouse,Rat
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000 IHC 1:50-200
<b>Purification :</b>	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)**Molecularweight :** 9kD**Function :**

Transcription regulator that converts stress signals into a program of gene expression that empowers cells with resistance to the stress induced by a change in their microenvironment. Thereby participates in regulation of many process namely cell-cycle, apoptosis, autophagy and DNA repair responses . Controls cell cycle progression and protects cells from genotoxic stress induced by doxorubicin through the complex formation with TP53 and EP300 that binds CDKN1A promoter leading to transcriptional induction of CDKN1A . Protects pancreatic cancer cells from stress-induced cell death by binding the RELB promoter and activating its transcription, leading to IER3 transactivation . Negatively regulates apoptosis through interaction with PTMA . Inhibits autophagy-induced apoptosis in cardiac cells through FOXO3 interaction, inducing cytoplasmic translocation of FOXO3 thereby preventing the FOX

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**Subcellular Location :** Nucleus . Cytoplasm . Cytoplasm, perinuclear region .**Expression :**

Widely expressed, with high levels in liver, pancreas, prostate, ovary, colon, thyroid, spinal cord, trachea and adrenal gland, moderate levels in heart, placenta, lung, skeletal muscle, kidney, testis, small intestine, stomach and lymph node, and low levels in brain, spleen, thymus and bone marrow. Not detected in peripheral blood leukocytes.

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