

## NUCG Polyclonal Antibody

<b>Catalog No :</b>	YN2953
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	NUCG
<b>Fields :</b>	>>Apoptosis
<b>Gene Name :</b>	ENDOG
<b>Protein Name :</b>	Endonuclease G, mitochondrial (Endo G) (EC 3.1.30.-)
<b>Human Gene Id :</b>	2021
<b>Human Swiss Prot No :</b>	Q14249
<b>Mouse Swiss Prot No :</b>	O08600
<b>Immunogen :</b>	Synthesized peptide derived from part region of human protein
<b>Specificity :</b>	NUCG Polyclonal Antibody detects endogenous levels of protein.
<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 ELISA 1:5000-20000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 32kD

**Cell Pathway :** Apoptosis\_Inhibition;Apoptosis\_Mitochondrial;Apoptosis\_Overview;

**Background :** The protein encoded by this gene is a nuclear encoded endonuclease that is localized in the mitochondrion. The encoded protein is widely distributed among animals and cleaves DNA at GC tracts. This protein is capable of generating the RNA primers required by DNA polymerase gamma to initiate replication of mitochondrial DNA. [provided by RefSeq, Jul 2008],

**Function :** cofactor:Manganese or magnesium.,function:Cleaves DNA at double-stranded (DG)n.(DC)n and at single-stranded (DC)n tracts. In addition to deoxyribonuclease activities, also has ribonuclease (RNase) and RNase H activities. Capable of generating the RNA primers required by DNA polymerase gamma to initiate replication of mitochondrial DNA.,miscellaneous:The active site contains 1 hydrated divalent metal cation that has only 1 direct interaction with the protein; all other interactions are via water molecules.,similarity:Belongs to the DNA/RNA non-specific endonuclease family.,subunit:Homodimer.,

**Subcellular Location :** Mitochondrion .

**Expression :**

Brain,Uterus,

## Products Images

