



Endo G-L1 Polyclonal Antibody

Catalog No	YP-Ab-02633
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	EXOG
Immunogen	The antiserum was produced against synthesized peptide derived from human ENDOGL1. AA range:171-220
Specificity	Endo G-L1 Polyclonal Antibody detects endogenous levels of Endo G-L1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Endo G like 1;ENDOGL1;ENDOGL2;Endonuclease G like 1;ENGL;ENGL a; ENGL B;EXOG;Nuclease EXOG;mitochondrial;Endo G-L1;Nuclease EXOG mitochondrial;Endonuclease G-like 1;Endo G-like 1
Observed Band	41kD
Calculated Molecular Weight	41kD
Cell Pathway	Mitochondrion inner membrane .
Tissue Specificity	Ubiquitous.
Function	cofactor:Divalent metal cations.,function:Endo/exonuclease with nicking activity towards supercoiled DNA, a preference for single stranded DNA and 5'-3' exonuclease activity.,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.,tissue specificity:Ubiquitous.,



Background

This gene encodes an endo/exonuclease with 5'-3' exonuclease activity. The encoded enzyme catalyzes the hydrolysis of ester linkages at the 5' end of a nucleic acid chain. This enzyme is localized to the mitochondria and may play a role in programmed cell death. Alternatively spliced transcript variants have been described. A pseudogene exists on chromosome 18. [provided by RefSeq, Feb 2009],

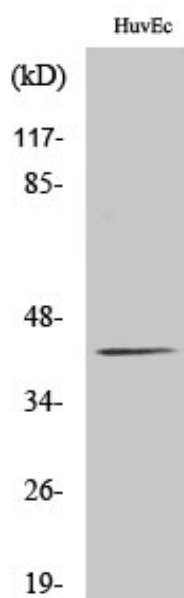
matters needing attention

Avoid repeated freezing and thawing!

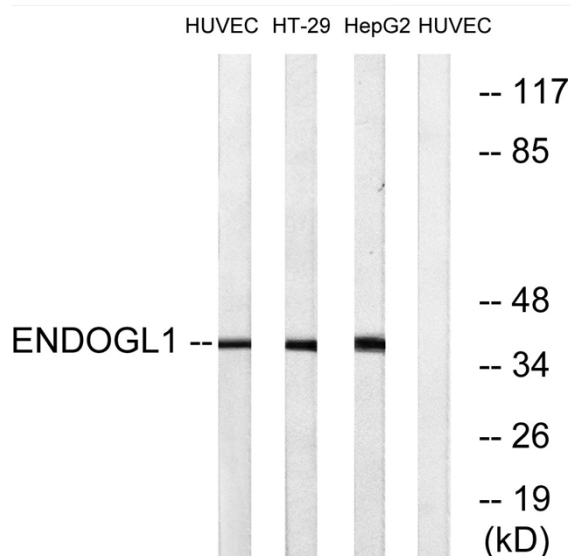
Usage suggestions

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 Endo G-L1 Polyclonal Antibody



Western blot analysis of lysates from HUVEC, HT-29, and HepG2 cells, using ENDOGL1 Antibody. The lane on the right is blocked with the synthesized peptide.