

## Product datasheet for **TA340055**

### Endo G (ENDO G) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-ENDOG antibody: synthetic peptide directed towards the middle region of human ENDOG. Synthetic peptide located within the following region: YVMPNAPVDEAIPLERFLVPIESIERASGLLFVPNILARAGSLKAITAGS
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	28 kDa
Gene Name:	endonuclease G
Database Link:	<a href="#">NP_004426</a> <a href="#">Entrez Gene 2021 Human Q14249</a>



[View online »](#)

**Background:**

ENDOG cleaves DNA at double-stranded (DG)<sub>n</sub>.(DC)<sub>n</sub> and at single-stranded (DC)<sub>n</sub> tracts. In addition to deoxyribonuclease activities, ENDOG also has ribonuclease (RNase) and RNase H activities. ENDOG is capable of generating the RNA primers required by DNA polymerase gamma to initiate replication of mitochondrial DNA. 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.

**Synonyms:**

FLJ27463

**Note:**

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Zebrafish: 100%; Guinea pig: 100%; Bovine: 93%

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Apoptosis

**Product images:**

WB Suggested Anti-ENDOG Antibody Titration:  
0.2-1 ug/ml; ELISA Titer: 1: 62500; Positive  
Control: Human Intestine