

# ENDOG Conjugated Antibody

Catalog No: #C37547



Package Size: #C37547-AF350 100ul #C37547-AF405 100ul #C37547-AF488 100ul  
 #C37547-AF555 100ul #C37547-AF594 100ul #C37547-AF647 100ul  
 #C37547-AF680 100ul #C37547-AF750 100ul #C37547-Biotin 100ul

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## Description

Product Name	ENDOG Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total ENDOG protein.
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human endonuclease G
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Endo G; ENDOG; endonuclease G; Endonuclease G, mitochondrial; FLJ27463; NUCG
Accession No.	Swiss-Prot#:Q14249NCBI Gene ID:2021NCBI Protein#:NP_001415
Uniprot	Q14249
GeneID	2021;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

### Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Background

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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.

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Note: This product is for in vitro research use only