

Datasheet for ABIN1574189

anti-Endonuclease G antibody (AA 200-250)[Go to Product page](#)**2** Images

Overview

Quantity:	40 µg
Target:	Endonuclease G (ENDOG)
Binding Specificity:	AA 200-250
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Endonuclease G antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	KLH-coupled synthetic peptide within AA 200–250 of human EndoG
Isotype:	IgG
Specificity:	EndoG Antibody detects endogenous levels of mouse EndoG. Predicted to react with rat EndoG protein according to sequence homology. Positive Control: Ramos, mouse kidney
Cross-Reactivity (Details):	EndoG Antibody detects endogenous levels of mouse EndoG. Predicted to react with rat EndoG protein according to sequence homology. Positive Control: Ramos, mouse kidney
Purification:	Immunoaffinity chromatography

Target Details

Target:	Endonuclease G (ENDOG)
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Target Details

Alternative Name: EndoG ([ENDOG Products](#))

Background: Endo G is an endonuclease that cleaves DNA at GC tracts. It is capable of generating the RNA primers required by DNA polymerase gamma to initiate the replication of mitochondrial DNA. EndoG is a mitochondrion-specific nuclease that cleaves chromatin DNA during apoptosis. Rabbit EndoG Antibody is developed in rabbit using a KLH-coupled synthetic peptide within residues 200-50 of human EndoG (Swiss Prot: Q14249).

Pathways: [Apoptosis](#)

Application Details

Application Notes: Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

Western blot: 0.5-1 µg/mL Flow cytometry: 1-3 µg for 1 x 10⁶ cells Other applications: user-optimized

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: PBS, pH 7.4, containing 0.02 % sodium azide

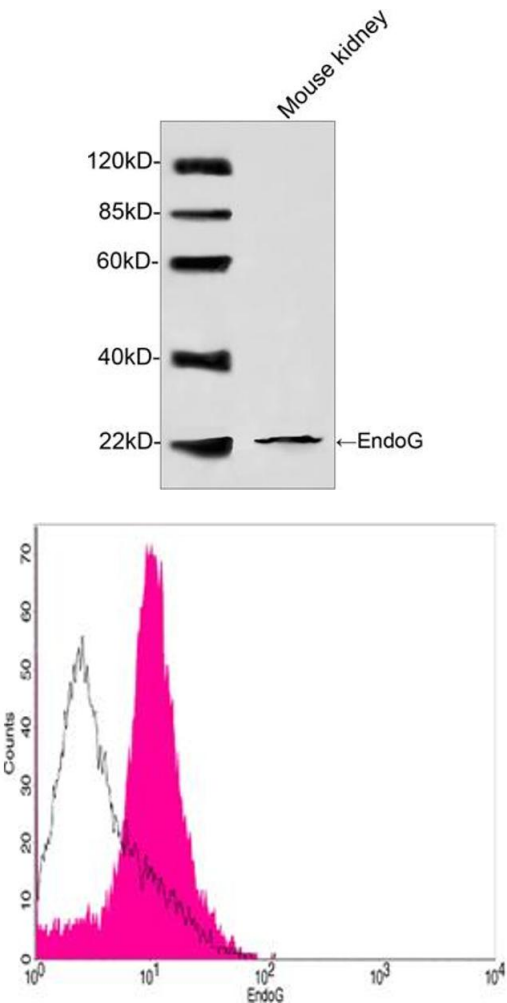
Preservative: Sodium azide

Precaution of Use: WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.

Storage: 4 °C/-20 °C

Storage Comment: The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below.

Avoid repeated freezing and thawing cycles.



Western Blotting

Image 1. Western blot analysis of tissue lysates using EndoG Antibody (ABIN399086, 1 µg/mL) The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG. Predicted Size: 33 KD Observed Size: 24 KD

Flow Cytometry

Image 2. Flow cytometric analysis of Ramos cells using EndoG Antibody (ABIN399086, shaded histogram) or with an isotype control antibody (ABIN398653, open histogram), followed by R-PE conjugated anti-rabbit IgG.