



Datasheet for ABIN1696002

anti-POLG antibody (AA 1101-1239) (AbBy Fluor® 488)



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1 Publication

Overview

Quantity:	100 µL
Target:	POLG
Binding Specificity:	AA 1101-1239
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POLG antibody is conjugated to AbBy Fluor® 488
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human POLG
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Pig
Purification:	Purified by Protein A.

Target Details

Target:	POLG
Alternative Name:	DNA Polymerase gamma (POLG Products)

Target Details

Target Type:	Viral Protein
Background:	Synonyms: PEO, MDP1, SCAE, MIRAS, POLG1, POLGA, SANDO, MTDPS4A, MTDPS4B, DNA polymerase subunit gamma-1, Mitochondrial DNA polymerase catalytic subunit, PolG-alpha, POLG Background: Involved in the replication of mitochondrial DNA. Associates with mitochondrial DNA.
Gene ID:	5428
UniProt:	P54098

Application Details

Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:	Prasad, Çağlayan, Dai, Nadalutti, Zhao, Gassman, Janoshazi, Stefanick, Horton, Krasich, Longley, Copeland, Griffith, Wilson: "DNA polymerase β: A missing link of the base excision repair machinery in mammalian mitochondria." in: DNA repair , Vol. 60, pp. 77-88, (2017) (
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