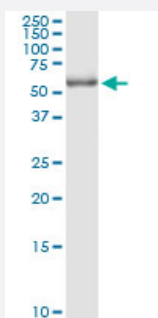


POLG2 (Human) IP-WB Antibody Pair

Catalog # H00011232-PW1

Size 1 Set

Applications



Immunoprecipitation of POLG2 transfected lysate using rabbit polyclonal anti-POLG2 and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with mouse purified polyclonal anti-POLG2.

Specification

Product Description	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
Reactivity	Human
Interspecies Antigen Sequence	Mouse (72); Rat (73)
Quality Control Testing	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of POLG2 transfected lysate using rabbit polyclonal anti-POLG2 and Protein A Magnetic Bead (U0007), and immunoblotted with mouse purified polyclonal anti-POLG2.
Supplied Product	Antibody pair set content: 1. Antibody pair for IP: rabbit polyclonal anti-POLG2 (300 ul) 2. Antibody pair for WB: mouse purified polyclonal anti-POLG2 (50 ug)
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- Immunoprecipitation-Western Blot

[Protocol Download](#)

Gene Info — POLG2

Entrez GeneID [11232](#)

Gene Name POLG2

Gene Alias HP55, MTPOLB, PEOA4, POLB, POLG-BETA, POLGB

Gene Description polymerase (DNA directed), gamma 2, accessory subunit

Omim ID [604983 610131](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes the processivity subunit of the mitochondrial DNA polymerase gamma. The encoded protein forms a heterotrimer containing one catalytic subunit and two processivity subunits. This protein enhances DNA binding and promotes processive DNA synthesis. Mutations in this gene result in autosomal dominant progressive external ophthalmoplegia with mitochondrial DNA deletions

Other Designations mitochondrial DNA polymerase, accessory subunit

Pathway

- [Metabolic pathways](#)

Disease

- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)

- [Head and Neck Neoplasms](#)
- [Hepatitis C](#)
- [Liver Cirrhosis](#)
- [Lung carcinoma](#)
- [Lung Neoplasms](#)
- [Ophthalmoplegia](#)