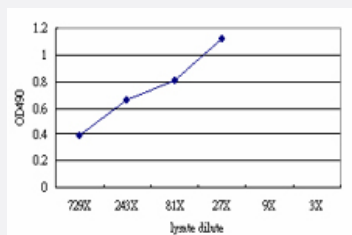


POLG2 (Human) Matched Antibody Pair

Catalog # H00011232-AP51

Size 1 Set

Applications



Sandwich ELISA detection sensitivity ranging from approximately 729x to 3x dilution of the POLG2 293T overexpression lysate (non-denatured).

Specification

Product Description	This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human POLG2.
Reactivity	Human
Interspecies Antigen Sequence	Mouse (72); Rat (73)
Quality Control Testing	Standard curve using POLG2 293T overexpression lysate (non-denatured) as an analyte. Sandwich ELISA detection sensitivity ranging from approximately 729x to 3x dilution of the POLG2 293T overexpression lysate (non-denatured).
Supplied Product	Antibody pair set content: 1. Capture antibody: mouse monoclonal anti-POLG2 (100 ug) 2. Detection antibody: rabbit purified polyclonal anti-POLG2 (50 ug) *Reagents are sufficient for at least 3-5 x 96 well plates using recommended protocols.
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

- [ELISA Pair \(Transfected lysate\)](#)

[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](#)