

POLG2 antibody

Catalog No: #39108



Package Size: #39108-1 50ul #39108-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

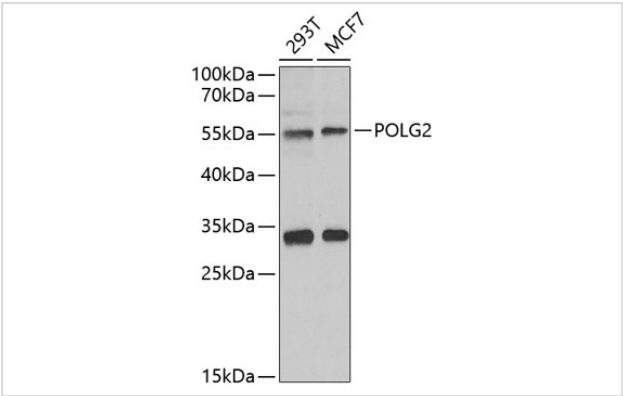
Description

Product Name	POLG2 antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total POLG2 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human POLG2.
Target Name	POLG2
Other Names	HP55; POLB; PEOA4; POLGB; MTPOLB; POLG-BETA;
Accession No.	Swiss-Prot#: Q9UHN1NCBI Gene ID: 11232
Uniprot	Q9UHN1
GeneID	11232;
SDS-PAGE MW	54kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

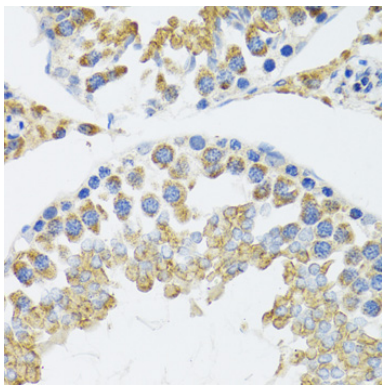
Application Details

WB 1:500 - 1:2000IHC 1:50 - 1:200IF 1:10 - 1:100

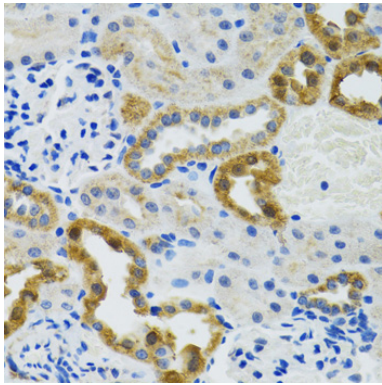
Images



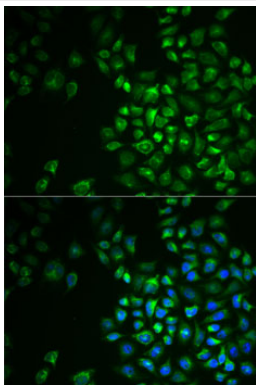
Western blot analysis of extracts of various cell lines, using POLG2 at 1:1000 dilution.



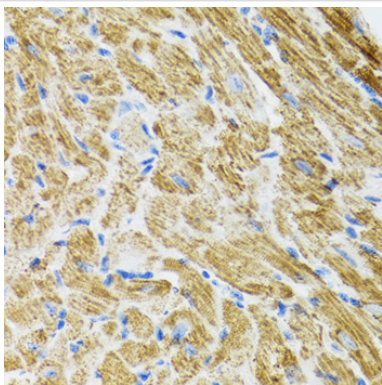
Immunohistochemistry of paraffin-embedded mouse testis using POLG2 at dilution of 1:100 (40x lens).



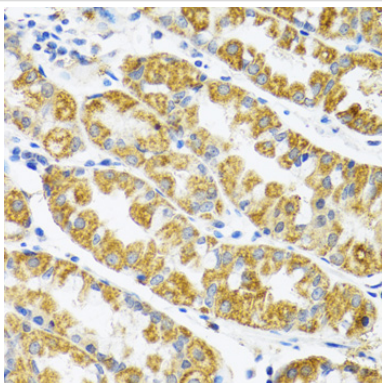
Immunohistochemistry of paraffin-embedded mouse kidney using POLG2 at dilution of 1:100 (40x lens).



Immunofluorescence analysis of MCF7 cells using POLG2 .
Blue: DAPI for nuclear staining.



Immunohistochemistry of paraffin-embedded rat heart using POLG2 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human stomach using POLG2 at dilution of 1:100 (40x lens).

Background

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.

Note: This product is for in vitro research use only