

Datasheet for ABIN2788963  
**anti-POLG2 antibody (N-Term)**



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1 Image

## Overview

|                      |                                      |
|----------------------|--------------------------------------|
| Quantity:            | 100 µL                               |
| Target:              | POLG2                                |
| Binding Specificity: | N-Term                               |
| Reactivity:          | Human                                |
| Host:                | Rabbit                               |
| Clonality:           | Polyclonal                           |
| Conjugate:           | This POLG2 antibody is un-conjugated |
| Application:         | Western Blotting (WB)                |

## Product Details

|                       |                                                                                       |
|-----------------------|---------------------------------------------------------------------------------------|
| Sequence:             | KSHAELEGNG EHPEAPGSGE GSEALLEICQ RRHFLSGSKQ QLSRDSLLSG                                |
| Predicted Reactivity: | Human: 100%                                                                           |
| Characteristics:      | This is a rabbit polyclonal antibody against POLG2. It was validated on Western Blot. |
| Purification:         | Affinity Purified                                                                     |

## Target Details

|                   |                                                                                                                                                                                      |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | POLG2                                                                                                                                                                                |
| Alternative Name: | POLG2 ( <a href="#">POLG2 Products</a> )                                                                                                                                             |
| 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 |

## Target Details

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.

Alias Symbols: HP55, MTPOLB, PEOA4, POLB, POLG-BETA, POLGB

Protein Interaction Partner: PARP1, SUMO1,

Protein Size: 485

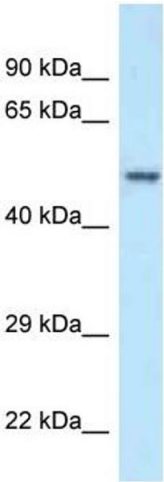
|                   |                                                       |
|-------------------|-------------------------------------------------------|
| Molecular Weight: | 53 kDa                                                |
| Gene ID:          | 11232                                                 |
| NCBI Accession:   | <a href="#">NM_007215</a> , <a href="#">NP_009146</a> |
| UniProt:          | <a href="#">Q9UHN1</a>                                |

## Application Details

|                    |                                                                                    |
|--------------------|------------------------------------------------------------------------------------|
| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment:           | Antigen size: 485 AA                                                               |
| Restrictions:      | For Research Use only                                                              |

## Handling

|                    |                                                                                                                                         |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                                  |
| Concentration:     | Lot specific                                                                                                                            |
| Buffer:            | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.                                     |
| Preservative:      | Sodium azide                                                                                                                            |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                  |
| Handling Advice:   | Avoid repeated freeze-thaw cycles.                                                                                                      |
| Storage:           | -20 °C                                                                                                                                  |
| Storage Comment:   | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |



Western Blotting

**Image 1.** WB Suggested Anti-POLG2 Antibody Titration: 1.0 ug/ml Positive Control: Fetal kidney