Datasheet for ABIN2783430

# anti-POLG antibody (N-Term)

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## Overview

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|---|---|
| Quantity: | 100 µL |
| Target: | POLG |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Mouse, Rat, Cow, Horse, Saccharomyces cerevisiae, Zebrafish (Danio rerio), Dog, Guinea Pig |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This POLG antibody is un-conjugated |
| Application: | Western Blotting (WB) |

## Product Details

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|---|---|
| Sequence: | QDWQEQLVVG HNVSFDRAHI REQYLIQGSR MHFLDTMSMH MAISGLSSFQ |
| Predicted Reactivity: | Cow: 100%, Dog: 93%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 100%, Rat: 100%, Yeast: 79%, Zebrafish: 93% |
| Characteristics: | This is a rabbit polyclonal antibody against Polg. It was validated on Western Blot. |
| Purification: | Affinity Purified |

## Target Details

| | |
|---|---|
| Target: | POLG |
| Alternative Name: | Polg (POLG Products) |

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## Target Details

| | |
|---|---|
| Target Type: | Viral Protein |
| Background: | Polg is involved in the replication of mitochondrial DNA.<br>Alias Symbols: -<br>Protein Size: 1216 |
| Molecular Weight: | 136 kDa |
| Gene ID: | 85472 |
| NCBI Accession: | NM_053528, NP_445980 |
| UniProt: | Q9QYV8 |

## Application Details

| | |
|---|---|
| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment: | Antigen size: 1216 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. |

## Publications

| | |
|---|---|
| Product cited in: | Sharma, Burdon, Chidlow, Klebe, Crawford, Dimasi, Dave, Martin, Javadiyan, Wood, Casson, Danoy, Griggs, Hewitt, Landers, Mitchell, Mackey, Craig: "Association of genetic variants in the |

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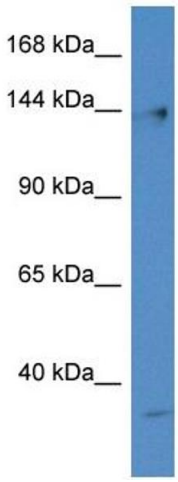
## Publications

TMCO1 gene with clinical parameters related to glaucoma and characterization of the protein in the eye." in: **Investigative ophthalmology & visual science**, Vol. 53, Issue 8, pp. 4917-25, (2012) (PubMed).

Burdon, Macgregor, Hewitt, Sharma, Chidlow, Mills, Danoy, Casson, Viswanathan, Liu, Landers, Henders, Wood, Souzeau, Crawford, Leo, Wang, Rochtchina, Nyholt, Martin, Montgomery, Mitchell, Brown et al.: "Genome-wide association study identifies susceptibility loci for open angle glaucoma at TMCO1 and CDKN2B-AS1. ..." in: **Nature genetics**, Vol. 43, Issue 6, pp. 574-8, (2011) (PubMed).

## Images




**Western Blotting**

**Image 1.** WB Suggested Anti-Polg Antibody Titration: 1.0 ug/ml Positive Control: Rat Lung