

Datasheet for ABIN2785958  
**anti-POLM antibody (Middle Region)**



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1 Image

## Overview

|                      |                                                             |
|----------------------|-------------------------------------------------------------|
| Quantity:            | 100 µL                                                      |
| Target:              | POLM                                                        |
| Binding Specificity: | Middle Region                                               |
| Reactivity:          | Human, Mouse, Pig, Rabbit, Rat, Horse, Cow, Dog, Guinea Pig |
| Host:                | Rabbit                                                      |
| Clonality:           | Polyclonal                                                  |
| Conjugate:           | This POLM antibody is un-conjugated                         |
| Application:         | Western Blotting (WB)                                       |

## Product Details

|                       |                                                                                                                                |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:            | The immunogen is a synthetic peptide directed towards the middle region of human POLM                                          |
| Sequence:             | LRRFSRKEKG LWLNSHGLFD PEQKTFFQAA SEEDIFRHLG LEYLPPEQRN                                                                         |
| Predicted Reactivity: | Cow: 79%, Dog: 92%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 86%, Pig: 100%, Rabbit: 86%, Rat: 93%                    |
| Characteristics:      | This is a rabbit polyclonal antibody against POLM. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification:         | Affinity Purified                                                                                                              |

## Target Details

|         |      |
|---------|------|
| Target: | POLM |
|---------|------|

## Target Details

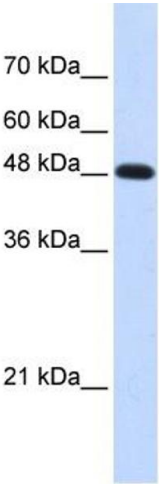
|                   |                                                                                                                                                                                                                                                                                     |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alternative Name: | POLM ( <a href="#">POLM Products</a> )                                                                                                                                                                                                                                              |
| Background:       | <p>POLM seems to act as an Ig mutase which is responsible for immunoglobulin (Ig) gene hypermutation.</p> <p>Alias Symbols: Tdt-N, Pol Mu</p> <p>Protein Interaction Partner: CEP55, IKZF3, PNMA1, PCNA, UBE2C, UBE2H, UBE2E1, UBE2D3, UBE2D2, UBE2D1,</p> <p>Protein Size: 494</p> |
| Molecular Weight: | 55 kDa                                                                                                                                                                                                                                                                              |
| Gene ID:          | 27434                                                                                                                                                                                                                                                                               |
| NCBI Accession:   | <a href="#">NM_013284</a> , <a href="#">NP_037416</a>                                                                                                                                                                                                                               |
| UniProt:          | <a href="#">Q9NP87</a>                                                                                                                                                                                                                                                              |
| Pathways:         | <a href="#">DNA Damage Repair</a> , <a href="#">Production of Molecular Mediator of Immune Response</a>                                                                                                                                                                             |

## Application Details

|                    |                                                                                    |
|--------------------|------------------------------------------------------------------------------------|
| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment:           | Antigen size: 494 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-POLM Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: Transfected 293T