

## Datasheet for ABIN7466413 **anti-MTMR14 antibody**



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### Overview

|              |                                                                                                                                        |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:    | 100 µL                                                                                                                                 |
| Target:      | MTMR14                                                                                                                                 |
| Reactivity:  | Human                                                                                                                                  |
| Host:        | Rabbit                                                                                                                                 |
| Clonality:   | Polyclonal                                                                                                                             |
| Conjugate:   | This MTMR14 antibody is un-conjugated                                                                                                  |
| Application: | Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC) |

### Product Details

|                   |                                                                                                                             |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Immunogen:        | Recombinant protein encompassing a sequence within the center region of human MTMR14.<br>The exact sequence is proprietary. |
| Isotype:          | IgG                                                                                                                         |
| Cross-Reactivity: | Human                                                                                                                       |
| Purification:     | Purified by antigen-affinity chromatography.                                                                                |

### Target Details

|                   |                                                                                                                                                                                          |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | MTMR14                                                                                                                                                                                   |
| Alternative Name: | myotubularin related protein 14 ( <a href="#">MTMR14 Products</a> )                                                                                                                      |
| Background:       | Myotubularin related protein 14 , C3orf29, This gene encodes a myotubularin-related protein.<br>The encoded protein is a phosphoinositide phosphatase that specifically dephosphorylates |

## Target Details

|                   |                                                                                                                                                                                                                                                                                   |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   | phosphatidylinositol 3,5-biphosphate and phosphatidylinositol 3-phosphate. Mutations in this gene are correlated with autosomal dominant centronuclear myopathy. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 18. |
| Molecular Weight: | 72 kDa                                                                                                                                                                                                                                                                            |
| Gene ID:          | 64419                                                                                                                                                                                                                                                                             |
| UniProt:          | <a href="#">Q8NCE2</a>                                                                                                                                                                                                                                                            |
| Pathways:         | <a href="#">Inositol Metabolic Process</a>                                                                                                                                                                                                                                        |

## Application Details

|                    |                                                                                                                                                                         |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications. |
| Comment:           | Positive Control: Jurkat                                                                                                                                                |
| Restrictions:      | For Research Use only                                                                                                                                                   |

## Handling

|                    |                                                                                                                                                                                                                            |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                                                                                                                     |
| Concentration:     | 0.7 mg/mL                                                                                                                                                                                                                  |
| Buffer:            | 0.1M Tris-Glycine ( pH 7), 20 % Glycerol, 0.01 % Thimerosal                                                                                                                                                                |
| Preservative:      | Thimerosal (Merthiolate)                                                                                                                                                                                                   |
| Precaution of Use: | This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                                                                         |
| Storage:           | 4 °C, -20 °C                                                                                                                                                                                                               |
| Storage Comment:   | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. |