

Datasheet: MCA3595Z

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| Description: | MOUSE ANTI HUMAN MTMR2:Preservative Free |
| Specificity: | MTMR2 |
| Format: | Preservative Free |
| Product Type: | Monoclonal Antibody |
| Clone: | 4G6 |
| Isotype: | IgG2a |
| Quantity: | 0.1 mg |

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

| | Yes | No | Not Determined | Suggested Dilution |
|------------------|-----|----|----------------|--------------------|
| Western Blotting | ▪ | | | 0.1 - 10 ug/ml |

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species

Human

Species Cross Reactivity

Reacts with: Rat

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Purified IgG prepared by affinity chromatography on Protein A

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

None present

Approx. Protein Concentrations

Ig concentration 0.5 mg/ml

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|--------------------------------------|--|
| Immunogen | Recombinant protein corresponding to aa 5-101 of human MTMR2 |
| External Database Links | <p>UniProt: Q13614 Related reagents</p> <p>Entrez Gene: 8898 MTMR2 Related reagents</p> |
| Synonyms | KIAA1073 |
| RRID | AB_2147837 |
| Fusion Partners | Spleen cells from immunized Balb/c mice were fused with cells from the Sp2/0 myeloma cell line. |
| Specificity | <p>Mouse anti Human MTMR2 antibody, clone 4G6 recognizes human Myotubularin-related protein 2, also known as MTMR2, Phosphatidylinositol-3,5-bisphosphate 3-phosphatase or Phosphatidylinositol-3-phosphate phosphatase. MTMR2 is a 643 amino acid ~75 kDa phosphatase.</p> <p>Mutations in the MTMR2 gene can lead to development of Charcot-Marie-Tooth disease 4B1 (CMT4B1), an autosomal recessive demyelinating disease marked by progressive atrophy and weakness of peroneal and arm muscles (Bolino et al. 2000).</p> |
| Storage | <p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p> |
| Guarantee | 12 months from date of despatch |
| Health And Safety Information | Material Safety Datasheet documentation #10162 available at: 10162: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf |
| Regulatory | For research purposes only |

Related Products

Recommended Secondary Antibodies

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|---|--|
| Goat Anti Mouse IgG IgA IgM (STAR87...) | Alk. Phos. , HRP |
| Goat Anti Mouse IgG (STAR77...) | HRP |
| Rabbit Anti Mouse IgG (STAR12...) | RPE |
| Rabbit Anti Mouse IgG (STAR8...) | DyLight®800 |
| Rabbit Anti Mouse IgG (STAR13...) | HRP |
| Goat Anti Mouse IgG (STAR76...) | RPE |

Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Human Anti Mouse IgG2a (HCA037...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®680](#),
[DyLight®800](#), [FITC](#), [HRP](#)

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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|----------------------------------|---|------------------|---|---------------|---|
| North & South America | Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com | Worldwide | Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com | Europe | Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com |
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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M367645:200529'

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