

## Datasheet: 6242-0039

|                      |                                                             |
|----------------------|-------------------------------------------------------------|
| <b>Description:</b>  | RABBIT ANTI BOVINE MICROTUBULE ASSOCIATED PROTEIN 2 (+ TAU) |
| <b>Specificity:</b>  | MICROTUBULE ASSOCIATED PROTEIN 2 (+ TAU)                    |
| <b>Other names:</b>  | MAP2                                                        |
| <b>Format:</b>       | Serum                                                       |
| <b>Product Type:</b> | Polyclonal Antibody                                         |
| <b>Isotype:</b>      | Polyclonal IgG                                              |
| <b>Quantity:</b>     | 0.2 ml                                                      |

## 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](http://www.bio-rad-antibodies.com/protocols).

|                          | Yes | No | Not Determined | Suggested Dilution |
|--------------------------|-----|----|----------------|--------------------|
| Immunohistology - Frozen | ■   |    |                | 1/5 - 1/30         |
| Western Blotting         | ■   |    |                | 1/200              |

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 the appropriate negative/positive controls.

|                                 |                                                                                                               |
|---------------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>Target Species</b>           | Bovine                                                                                                        |
| <b>Species Cross Reactivity</b> | Reacts with: Rat<br><b>N.B.</b> Antibody reactivity and working conditions may vary between species.          |
| <b>Product Form</b>             | Serum - liquid                                                                                                |
| <b>Preservative Stabilisers</b> | 0.1% Sodium Azide (NaN <sub>3</sub> )                                                                         |
| <b>Immunogen</b>                | Native bovine MAP2, from brain.                                                                               |
| <b>External Database Links</b>  | <b>UniProt:</b><br><a href="https://www.uniprot.org/entry/Q28869">Q28869</a> <a href="#">Related reagents</a> |

**Specificity**      **Rabbit anti Bovine microtubule associated protein antibody** recognizes both MAP2 and Tau proteins of bovine origin. MAP2 and Tau are involved in the regulation microtubule polymerization.

**References**

1. Hazuka, C. D. *et al.* (1999) The sec6/8 complex is located at neurite outgrowth and axonal synapse-assembly domains [J Neurosci 19: 1324 -1334](#)
2. Wada, K. *et al.* (2006) Peroxisome proliferator-activated receptor gamma-mediated regulation of neural stem cell proliferation and differentiation. [J Biol Chem. 281: 12673-81.](#)

**Storage** Store at +4°C or at -20°C if preferred.  
Storage in frost-free freezers is not recommended.  
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.

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**Shelf Life** 18 months from date of despatch.

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**Health And Safety Information** Material Safety Datasheet documentation available at:  
Material Safety Datasheet Documentation #10342 available at:  
<https://www.bio-rad-antibodies.com/uploads/MSDS/10342.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)  
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)  
Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)  
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),  
[DyLight®680](#), [DyLight®800](#)

### Recommended Useful Reagents

[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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'M312916:180305'

**Printed on 05 Mar 2018**