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Datasheet for ABIN560744

## anti-ENO3 antibody (AA 228-277)

9 Images

6 Publications

### Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µg  |
| Target:              | ENO3  |
| Binding Specificity: | AA 228-277  |
| Reactivity:          | Human   |
| Host:                | Mouse   |
| Clonality:           | Monoclonal  |
| Conjugate:           | This ENO3 antibody is un-conjugated   |
| Application:         | Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), RNA Interference (RNAi) |

### Product Details

|                   |   |
|-------------------|---|
| Purpose:          | Mouse monoclonal antibody raised against a partial recombinant ENO3.  |
| Immunogen:        | ENO3 (NP_001967, 228 a.a. ~ 277 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| Sequence:         | KTAIQAAGYP DKVVIGMDVA ASEFYRNGKY DLDFKSPDDP ARHITGEKLG  |
| Clone:            | 5D1   |
| Isotype:          | IgG2a   |
| Cross-Reactivity: | Human   |
| Characteristics:  | Antibody Reactive Against Recombinant Protein.  |

## Target Details

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|                   |   |
|-------------------|---|
| Target:           | ENO3  |
| Alternative Name: | ENO3 ( <a href="#">ENO3 Products</a> )                    |
| Background:       | Full Gene Name: enolase 3 (beta, muscle)<br>Synonyms: MSE |
| Gene ID:          | 2027  |
| NCBI Accession:   | <a href="#">NM_001976</a>                                 |

## Application Details

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|                    |  |
|--------------------|--|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions:      | For Research Use only  |

## Handling

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|                  |  |
|------------------|--|
| Buffer:          | In 1x PBS, pH 7.4  |
| Handling Advice: | Aliquot to avoid repeated freezing and thawing.                          |
| Storage:         | -20 °C   |
| Storage Comment: | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

## Publications

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Product cited in: Picard, Gagaoua, Micol, Cassar-Malek, Hocquette, Terlouw: "Inverse relationships between biomarkers and beef tenderness according to contractile and metabolic properties of the muscle." in: **Journal of agricultural and food chemistry**, Vol. 62, Issue 40, pp. 9808-18, (2014) ([PubMed](#)).

Brocca, Cannavino, Coletto, Biolo, Sandri, Bottinelli, Pellegrino: "The time course of the adaptations of human muscle proteome to bed rest and the underlying mechanisms." in: **The Journal of physiology**, Vol. 590, Issue Pt 20, pp. 5211-30, (2012) ([PubMed](#)).

Chaze, Meunier, Chambon, Jurie, Picard: "Proteome dynamics during contractile and metabolic differentiation of bovine foetal muscle." in: **Animal : an international journal of animal bioscience**, Vol. 3, Issue 7, pp. 980-1000, (2012) ([PubMed](#)).

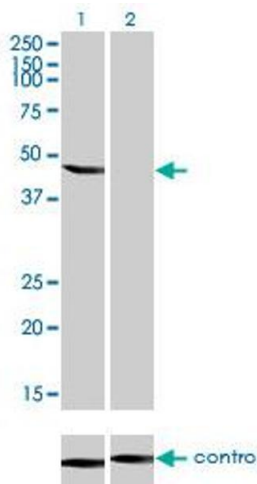
Uys, Ramburan, Loos, Kinnear, Korkie, Mouton, Riedemann, Moolman-Smook: "Myomegalin is a

novel A-kinase anchoring protein involved in the phosphorylation of cardiac myosin binding protein C." in: **BMC cell biology**, Vol. 12, pp. 18, (2011) ([PubMed](#)).

Guillemin, Bonnet, Jurie, Picard: "Functional analysis of beef tenderness." in: **Journal of proteomics**, Vol. 75, Issue 2, pp. 352-65, (2011) ([PubMed](#)).

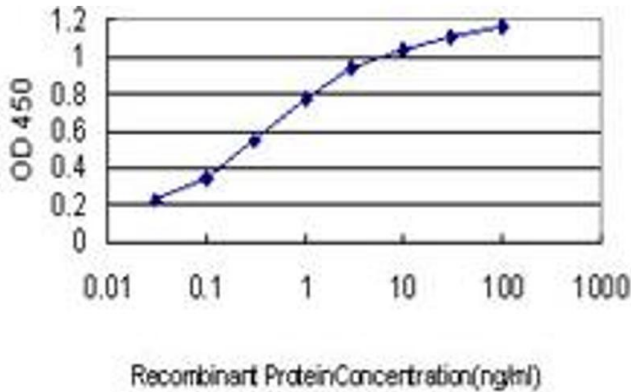
There are more publications referencing this product on: [Product page](#)

Images



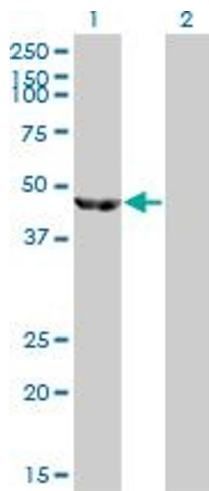
Western Blotting

**Image 1.** Western blot analysis of ENO3 over-expressed 293 cell line, cotransfected with ENO3 Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with ENO3 monoclonal antibody (M01), clone 5D1. GAPDH ( 36.1 kDa ) used as specificity and loading control.



ELISA

**Image 2.** Detection limit for recombinant GST tagged ENO3 is approximately 0.03ng/ml as a capture antibody.



### Western Blotting

**Image 3.** Western Blot analysis of ENO3 expression in transfected 293T cell line by ENO3 monoclonal antibody (M01), clone 5D1.

Lane 1: ENO3 transfected lysate(46.9 KDa).

Lane 2: Non-transfected lysate.

Please check the [product details page](#) for more images. Overall 9 images are available for ABIN560744.