

# Product Datasheet

## CAPZB Antibody (4H8) - Azide and BSA Free H00000832-M03

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00000832-M03**

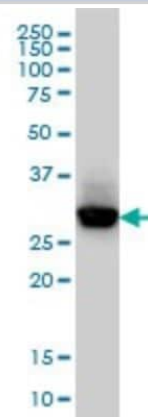
CAPZB Antibody (4H8) - Azide and BSA Free

| Product Information         |   |
|-----------------------------|---|
| Unit Size                   | 0.1 mg  |
| Concentration               | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.  |
| Storage                     | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.  |
| Clonality                   | Monoclonal  |
| Clone                       | 4H8   |
| Preservative                | No Preservative   |
| Isotype                     | IgG2a Kappa   |
| Purity                      | IgG purified  |
| Buffer                      | In 1x PBS, pH 7.4   |
| Product Description         |   |
| Description                 | Quality control test: Antibody Reactive Against Recombinant Protein.  |
| Host                        | Mouse   |
| Gene ID                     | 832   |
| Gene Symbol                 | CAPZB   |
| Species                     | Human, Bovine   |
| Reactivity Notes            | Bovine reported in scientific literature (PMID: 26344128).  |
| Specificity/Sensitivity     | CAPZB - capping protein (actin filament) muscle Z-line, beta  |
| Immunogen                   | CAPZB (NP_004921, 192 a.a. ~ 272 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.<br>SLTRQMEKDETVDSCSPHIANIGRLVEDMENKIRSTLNEIYFGKTKDIVNGLRSV<br>QTFADKSKQEALKNDLVEALKRKQQC |
| Notes                       | This product is produced by and distributed for Abnova, a company based in Taiwan.  |
| Product Application Details |   |
| Applications                | Western Blot, Dot Blot, ELISA   |
| Recommended Dilutions       | Western Blot 1:500, ELISA, Dot Blot   |
| Application Notes           | Antibody reactivity against cell lysate, transfected lysate and recombinant protein for WB. It has been used for ELISA. Use in Dot blot reported in scientific literature (PMID: 26344128).                 |

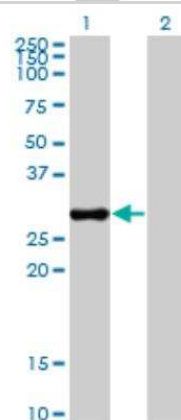


## Images

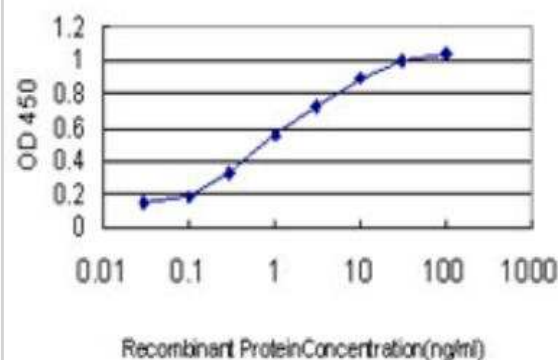
Western Blot: CAPZB Antibody (4H8) [H00000832-M03] - Analysis of CAPZB expression in HeLa (Cat # L013V1).



Western Blot: CAPZB Antibody (4H8) [H00000832-M03] - analysis of CAPZB expression in transfected 293T cell line by CAPZB monoclonal antibody (M03), clone 4H8. Lane 1: CAPZB transfected lysate (9 KDa). Lane 2: Non-transfected lysate.



ELISA: CAPZB Antibody (4H8) [H00000832-M03] - Detection limit for recombinant GST tagged CAPZB is approximately 0.1ng/ml as a capture antibody.



## Publications

Gagaoua M, Terlouw EMC, Picard B. et al. The study of protein biomarkers to understand the biochemical processes underlying beef color development in young bulls. Meat Sci 2017-07-18 [PMID: 28750331]

Guillemin N, Bonnet M, Jurie C et al. Functional analysis of beef tenderness. J Proteomics 2011-08-09 [PMID: 21855665]

Picard B, Gagaoua M, Micol D et al. Inverse relationships between biomarkers and beef tenderness according to contractile and metabolic properties of the muscle. J Agric Food Chem 2014-08-24 [PMID: 25175407]

Gagaoua M, Terlouw EMC, Boudjellal A, Picard B. Coherent correlation networks among protein biomarkers of beef tenderness: What they reveal. Journal of proteomics 2015-10-14 [PMID: 26344128] (WB, Cytometric Bead Assay Standard, Bovine)

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**Products Related to H00000832-M03**

|                  |   |
|------------------|---|
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B          | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-96981-0.5mg | Mouse IgG2a Kappa Isotype Control (M2AK)                |
| NBP2-54936PEP    | CAPZB Recombinant Protein Antigen                       |

**Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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