

Datasheet for ABIN7601702  
**anti-MCF2 antibody (AA 42-925)**



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## Overview

|                      |                                                     |
|----------------------|-----------------------------------------------------|
| Quantity:            | 100 µg                                              |
| Target:              | MCF2                                                |
| Binding Specificity: | AA 42-925                                           |
| Reactivity:          | Human                                               |
| Host:                | Rabbit                                              |
| Clonality:           | Polyclonal                                          |
| Conjugate:           | This MCF2 antibody is un-conjugated                 |
| Application:         | Western Blotting (WB), ELISA, Flow Cytometry (FACS) |

## Product Details

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| Purpose:                    | Anti-DBL Antibody Picoband®                                                                                                                                                                                                                                                                                                                                                                                     |
| Immunogen:                  | E.coli-derived human DBL recombinant protein (Position: D42-Y925).                                                                                                                                                                                                                                                                                                                                              |
| Isotype:                    | IgG                                                                                                                                                                                                                                                                                                                                                                                                             |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins                                                                                                                                                                                                                                                                                                                                                                         |
| Characteristics:            | Anti-DBL Antibody Picoband® (ABIN7601702). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance. |
| Purification:               | Immunogen affinity purified.                                                                                                                                                                                                                                                                                                                                                                                    |

## Target Details

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| Target:           | MCF2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Alternative Name: | MCF2 ( <a href="#">MCF2 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Background:       | <p>Synonyms: Protein phosphatase 1 regulatory subunit 14A, 17 kDa PKC-potentiated inhibitory protein of PP1, Protein kinase C-potentiated inhibitor protein of 17 kDa, CPI-17, PPP1R14A, CPI17, PPP1INL,</p> <p>Tissue Specificity: Isoform 1 is detected in aorta and testis. Isoform 2 is detected in aorta. .</p> <p>Background: The DBL proto-oncogene is a protein that in humans is encoded by the MCF2 gene. The oncogenic protein encoded by this gene is a guanine nucleotide exchange factor (GEF) that exerts control over some members of the Rho family of small GTPases. Several transcript variants encoding different isoforms have been found for this gene. These isoforms exhibit different expression patterns and varying levels of GEF activity.</p> |
| Molecular Weight: | 125 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Gene ID:          | 4168                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| UniProt:          | <a href="#">P10911</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Application Details

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| Application Notes: | <p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10<sup>6</sup> cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Anson, D. S., Blake, D. J., Winship, P. R., Birnbaum, D., Brownlee, G. G. Nullisomic deletion of the mcf.2 transforming gene in two haemophilia B patients. EMBO J. 7: 2795-2799, 1988. 2. Eva, A., Aaronson, S. A. Isolation of a new human oncogene from a diffuse B-cell lymphoma. Nature 316: 273-275, 1985. 3. Eva, A., Vecchio, G., Rao, C. D., Tronick, S. R., Aaronson, S. A. The predicted DBL oncogene product defines a distinct class of transforming proteins. Proc. Nat. Acad. Sci. 85: 2061-2065, 1988.</p> |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## Handling

|                 |                                                                                           |
|-----------------|-------------------------------------------------------------------------------------------|
| Format:         | Lyophilized                                                                               |
| Reconstitution: | Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.                 |
| Concentration:  | 500 µg/mL                                                                                 |
| Buffer:         | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> . |

## Handling

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Storage: 4 °C, -20 °C

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Storage Comment: At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.  
It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.