

## Anti-ZFP42 antibody

|                 |   |
|-----------------|---|
| <b>Cat. No.</b> | ml261330  |
| <b>Package</b>  | 25 µl/100 µl/200 µl                                     |
| <b>Storage</b>  | -20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol |

### Product overview

|                     |                                       |
|---------------------|---------------------------------------|
| <b>Description</b>  | Anti-ZFP42 rabbit polyclonal antibody |
| <b>Applications</b> | ELISA, WB                             |
| <b>Immunogen</b>    | Synthetic peptide of human ZFP42      |
| <b>Reactivity</b>   | Human                                 |
| <b>Content</b>      | 0.2 mg/ml                             |
| <b>Host species</b> | Rabbit                                |
| <b>Ig class</b>     | Immunogen-specific rabbit IgG         |
| <b>Purification</b> | Antigen affinity purification         |

### Target information

|                  |                           |
|------------------|---------------------------|
| <b>Symbol</b>    | ZFP42                     |
| <b>Full name</b> | ZFP42 zinc finger protein |
| <b>Synonyms</b>  | REX1; ZNF754              |
| <b>Swissprot</b> | Q96MM3                    |

### Target Background

Rex-1 (for reduced expression), also designated zinc finger protein 42 (ZFP42), is an acidic zinc finger protein. Rex-1 contains four repeats of the zinc finger nucleic acid-binding motif and a potential acidic activator domain, suggesting that it is a regulatory protein. Rex-1 localizes to the nucleus and is highly expressed in embryonic stem (ES) and undifferentiated murine F9 teratocarcinoma cells. At the transcriptional level, expression of Rex-1 is reduced when F9 cells are induced to differentiate by the addition of retinoic acid (RA), and Rex-1 repression is enhanced by E1A. The Oct-3/4 transcription factor can either activate or repress the Rex-1 promoter, depending on the cellular environment, while Oct-6 can lower the expression of Rex-1.

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#### Applications

##### Western blotting

Predicted band size: 35 kDa

Positive control: A549, K562 and PC3 cells

Recommended dilution: 200-1000

Gel: 12% SDS-PAGE

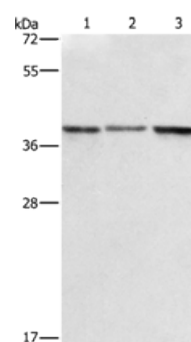
Lysate: 40 µg

Lane 1-3: A549 cells, K562 cells, PC3 cells

Primary antibody: ml261330(ZFP42 Antibody) at dilution 1/500

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 30 seconds



##### ELISA

Recommended dilution: 1000-2000

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