

# Anti-REX-1 Antibody

Catalog # AP96127

## Product Information

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|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC, FC            |
| Primary Accession | <a href="#">Q96MM3</a> |
| Reactivity        | Human                  |
| Host              | Mouse                  |
| Clonality         | Monoclonal             |
| Calculated MW     | 34802                  |

## Additional Information

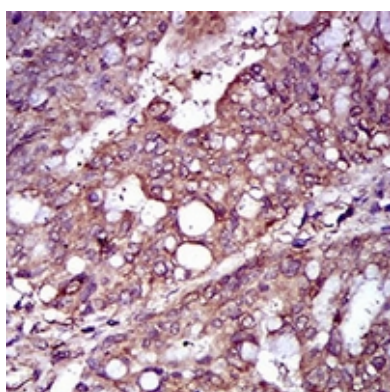
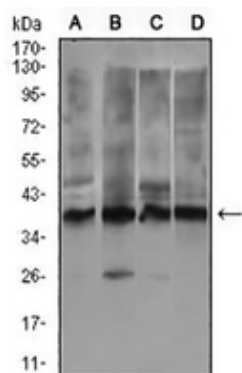
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|--------------------|----------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | 132625                                                                                                                     |
| Other Names        | REX1; ZNF754; Zinc finger protein 42 homolog; Zfp-42; Reduced expression protein 1; REX-1; hREX-1; Zinc finger protein 754 |
| Target/Specificity | Recombinant fusion protein of human REX-1 expressed in E. Coli                                                             |
| Dilution           | WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200)                                                              |
| Format             | Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.                                                   |
| Storage            | Store at -20 °C.Stable for 12 months from date of receipt                                                                  |

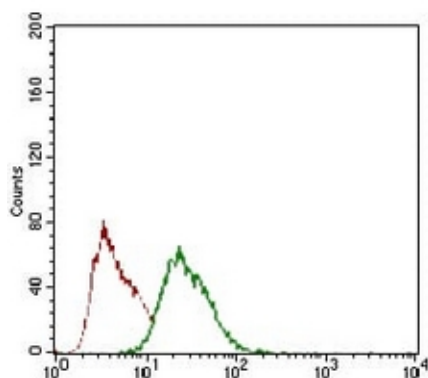
## Protein Information

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|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name              | ZFP42                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Synonyms          | REX1, ZNF754                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Function          | Involved in the reprogramming of X-chromosome inactivation during the acquisition of pluripotency. Required for efficient elongation of TSIX, a non-coding RNA antisense to XIST. Binds DXPas34 enhancer within the TSIX promoter. Involved in ES cell self-renewal (By similarity).                                                                                                                                                                                               |
| Cellular Location | Nucleus.                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Tissue Location   | Expressed in kidney, epidermal keratinocytes, prostate epithelial cells, bronchial and small airway lung epithelial cells (at protein level). Expressed in malignant kidney and several carcinoma cell lines (at protein level). Expressed in embryonic stem cells, kidney, epidermal keratinocytes, prostate epithelial cells, bronchial and small airway lung epithelial cells. Expressed in embryonal carcinomas, seminomas, malignant kidney and several carcinoma cell lines. |



Immunohistochemical analysis of REX-1 staining in human rectum cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



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