

**Rex1 (ZFP42) Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP2051a****Specification**

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**Rex1 (ZFP42) Antibody (N-term) Blocking peptide - Product Information**

Primary Accession [O96MM3](#)  
Other Accession [Q8WXE2](#)

**Rex1 (ZFP42) Antibody (N-term) Blocking peptide - Additional Information**

**Gene ID** 132625

**Other Names**

Zinc finger protein 42 homolog, Zfp-42, Reduced expression protein 1, REX-1, hREX-1, Zinc finger protein 754, ZFP42, REX1, ZNF754

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP2051a](/product/products/AP2051a) was selected from the N-term region of human ZFP42. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Rex1 (ZFP42) Antibody (N-term) Blocking peptide - Protein Information**

**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.

### **Rex1 (ZFP42) Antibody (N-term) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

### **Rex1 (ZFP42) Antibody (N-term) Blocking peptide - Images**

### **Rex1 (ZFP42) Antibody (N-term) Blocking peptide - Background**

Zinc finger proteins have regions (zinc finger domains) consisting of cysteines and histidines or cysteines alone which can form a tetrahedral complex around a Zinc ion. Zinc finger represent a class of DNA-binding proteins, act as transcriptional regulators of other genes. These multifunctional transcription factors exhibits control on a large number of cellular genes by binding to sites overlapping the transcription start site and plays an important role in development and differentiation. Hromas et al. in an effort to identify activators of the genetic cascade in hemopoietic differentiation probed a human myeloid cDNA library. ZNF42 may be a regulator of transcriptional events during hemopoietic development.

### **Rex1 (ZFP42) Antibody (N-term) Blocking peptide - References**

Hromas R, et al. J. Biol. Chem. 1991. 266: 14183-14187. Morris J, et al. Blood 1995. 86: 3640-3647.