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Rex1 (ZFP42) Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2051A

Product Information

Application	WB, E
Primary Accession	Q96MM3
Other Accession	Q8WXE2
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	34802
Antigen Region	1-30

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	This Rex1 (ZFP42) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human Rex1 (ZFP42).
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Rex1 (ZFP42) Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

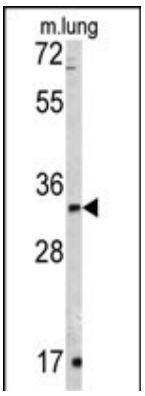
Background

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.

References

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

Images



Western blot analysis of Rex1 (ZFP42) antibody (N-term) (Cat.# AP2051a) in mouse lung tissue lysates (35ug/lane). Rex1 (arrow) was detected using the purified Pab.

Citations

- Progesterone-dependent deoxyribonucleic acid looping between RUSH/SMARCA3 and Egr-1 mediates repression by c-Rel.