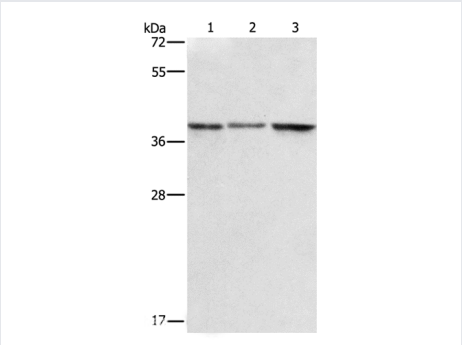
ZFP42 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ZFP42, Polyclonal Antibody
Full Product Name	ZFP42 Polyclonal Antibody
Product Gene Name	anti-ZFP42 antibody
Product Synonym Names	REX1; ZNF754
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Antigen affinity purification
Concentration	1.1mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.
Molecular Weight	34,802 Da
OMIM	614572
Immunogen	Synthetic peptide of human ZFP42
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Product Categories/Family for anti-ZFP42 antibody	Stem Cells
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ZFP42 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-ZFP42 antibody	WB: 1:200-1:1000
Related Product Information for anti-ZFP42 antibody	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.
Other Notes	Small volumes of anti-ZFP42 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ZFP42 purchase	MBS2519137 is an antibody targeting ZFP42. Also known as ZFP42 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-ZFP42 antibody
Western Blot analysis of A549, K562 and PC3 cell using ZFP42 Polyclonal Antibody at dilution of 1:500

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ZFP42. It may not necessarily be applicable to this product.

NCBI GI #	748983119
NCBI GeneID	132625
NCBI Accession #	NP_001291287.1
UniProt Secondary Accession #	Q8WXE2; D3DP65
UniProt Related Accession #	Q96MM3
GenBank Nucleotide #	NM_001304358.1
NCBI Official Full Name	zinc finger protein 42 homolog
NCBI Official Synonym Full Names	ZFP42 zinc finger protein
NCBI Official Symbol	ZFP42
NCBI Official Synonym Symbols	REX1; REX-1; ZNF754; zfp-42
UniProt Protein Name	Zinc finger protein 42 homolog
UniProt Synonym Protein Names	Reduced expression protein 1; REX-1; hREX-1; Zinc finger protein 754
Protein Family	Zinc finger protein
UniProt Gene Name	ZFP42
UniProt Synonym Gene Names	REX1; ZNF754; Zfp-42; REX-1; hREX-1
UniProt Entry Name	ZFP42_HUMAN
NCBI Protein Information	zinc finger protein 42 homolog; REX1 transcription factor; reduced expression protein 1; zinc finger protein 754
UniProt Comments for ZFP42	ZFP42: 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. Belongs to the krueppel C2H2-type zinc-finger protein family. Protein type: C2H2-type zinc finger protein; DNA-binding Chromosomal Location of Human Ortholog: 4q35.2 Cellular Component: protein complex; cytoplasm; nucleus Molecular Function: sequence-specific DNA binding; metal ion binding; transcription factor activity Biological Process: meiosis; transcription, DNA-dependent; regulation of transcription, DNA-dependent; in utero embryonic development; male gonad development; female gonad development; spermatid development

Research Articles on ZFP42	**1.** Results show that a novel pluripotency regulator, REX1, is essential for pluripotency and reprogramming.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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