

ZFP42 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1813a

Specification

ZFP42 Antibody - Product Information

Application	E, WB, FC, IHC
Primary Accession	O96MM3
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	34.8kDa KDa

Description

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.

Immunogen

Purified recombinant fragment of human ZFP42 (AA: 249-310) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

ZFP42 Antibody - 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

Dilution

E~~1/10000
WB~~1/500 - 1/2000
FC~~1/200 - 1/400
IHC~~1/200 - 1/1000

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ZFP42 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

ZFP42 Antibody - 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.

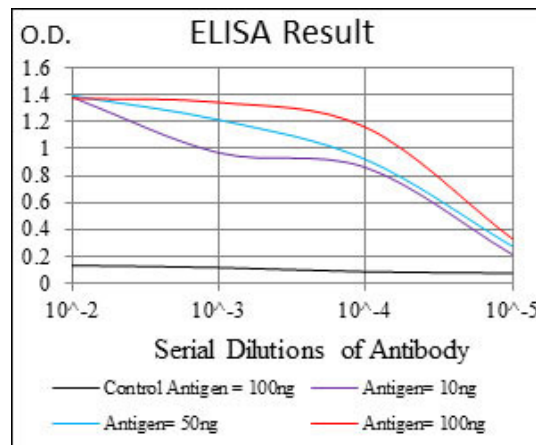
Tissue Location

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.

ZFP42 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)



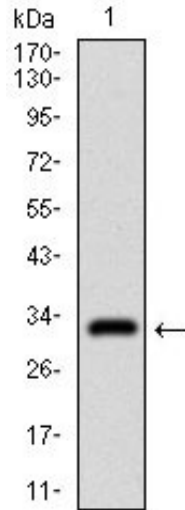


Figure 1: Western blot analysis using ZFP42 mAb against human ZFP42 recombinant protein. (Expected MW is 32.7 kDa)

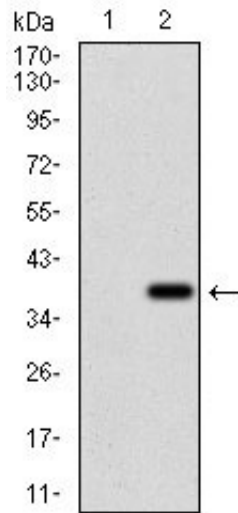


Figure 2: Western blot analysis using ZFP42 mAb against HEK293 (1) and ZFP42 (AA: 249-310)-hlgGfc transfected HEK293 (2) cell lysate.

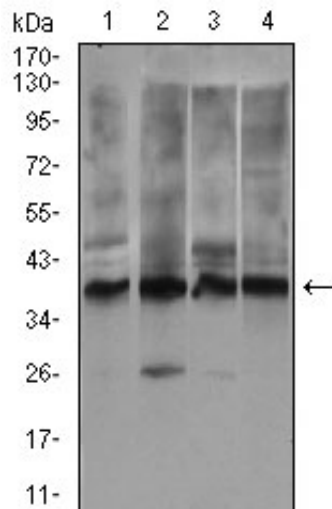


Figure 3: Western blot analysis using ZFP42 mouse mAb against Jurkat (1), HEK293 (2), Raji (3) and PC-3 (4) cell lysate.

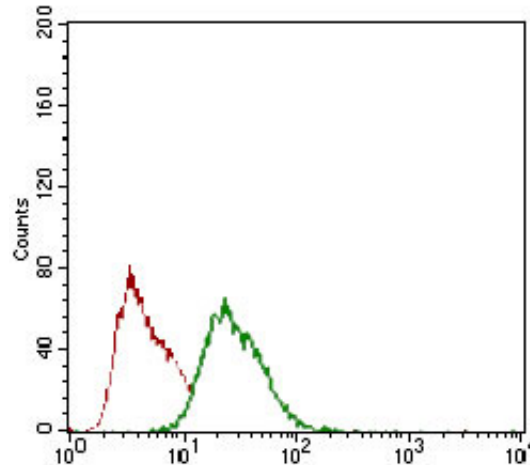


Figure 4: Flow cytometric analysis of HEK293 cells using ZFP42 mouse mAb (green) and negative control (red).

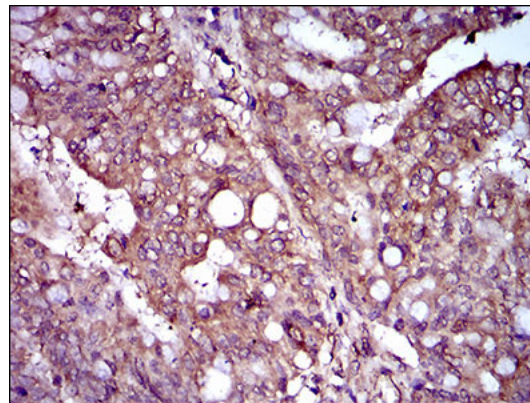


Figure 5: Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using ZFP42 mouse mAb with DAB staining.

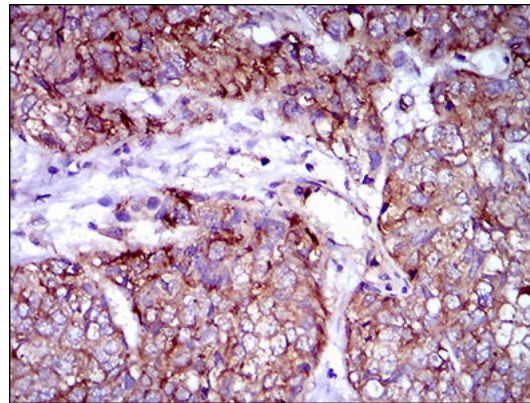


Figure 6: Immunohistochemical analysis of paraffin-embedded esophagus cancer tissues using ZFP42 mouse mAb with DAB staining.

ZFP42 Antibody - Background

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.

ZFP42 Antibody - References

1. Stem Cell Res. 2011 Jul;7(1):1-16.
2. J Cell Physiol. 2010 Jul;224(1):17-27.

