10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Mouse Monoclonal Antibody to ZFP91

Purified Mouse Monoclonal Antibody
Catalog # AO2417a

Specification

Mouse Monoclonal Antibody to ZFP91 - Product Information

Application	**E, WB, ICC, FC**
Primary Accession	Q96JP5
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse IgG1**
Calculated MW	**63.4kDa KDa**

Description
The protein encoded by this gene is a member of the zinc finger family of proteins. The gene product contains C2H2-type domains, which are the classical zinc finger domains found in numerous nucleic acid-binding proteins. This protein functions as a regulator of the non-canonical NF-kappaB pathway in lymphotoxin-beta receptor signaling. Alternative splicing results in multiple transcript variants. A read-through transcript variant composed of ZFP91 and the downstream CNTF gene sequence has been identified, but it is thought to be non-coding. Read-through transcription of ZFP91 and CNTF has also been observed in mouse. A ZFP91-related pseudogene has also been identified on chromosome 2.;

Immunogen
Purified recombinant fragment of human ZFP91 (AA: 162-304) expressed in E. Coli.

Formulation
Purified antibody in PBS with 0.05% sodium azide

Application Note
ELISA: 1/10000; WB: 1/500 - 1/2000; IHC: 1/200 - 1/1000; ICC: 1/100- 1/500; FCM: 1/200 - 1/400

Mouse Monoclonal Antibody to ZFP91 - Additional Information

Gene ID 80829

Other Names
PZF; DMS-8; DSM-8; FKSG11; ZFP-91; ZNF757

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
Mouse Monoclonal Antibody to ZFP91 is for research use only and not for use in diagnostic or therapeutic procedures.

Mouse Monoclonal Antibody to ZFP91 - Protein Information

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Name ZFP91

Synonyms ZNF757

Function
Atypical E3 ubiquitin-protein ligase that mediates 'Lys-63'- linked ubiquitination of MAP3K14/NIK, leading to stabilize and activate MAP3K14/NIK. It thereby acts as an activator of the non-canonical NF- kappa-B2/NFKB2 pathway. May also play an important role in cell proliferation and/or anti-apoptosis.

Cellular Location
Nucleus.

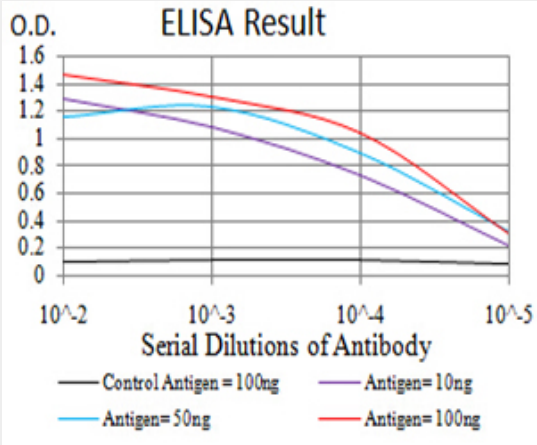
Tissue Location
Expressed ubiquitously, particularly at high level in testis. Isoform 2 is testis specific

Mouse Monoclonal Antibody to ZFP91 - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Mouse Monoclonal Antibody to ZFP91 - Images



Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

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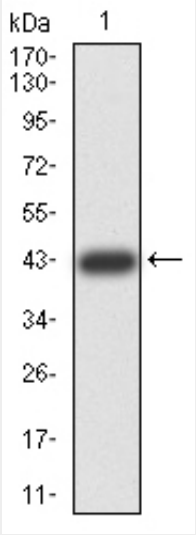
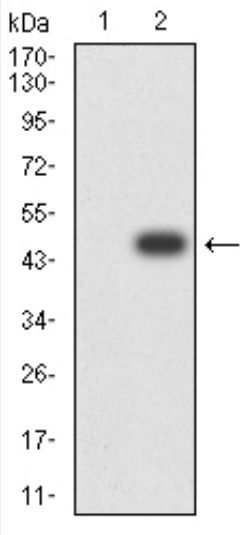
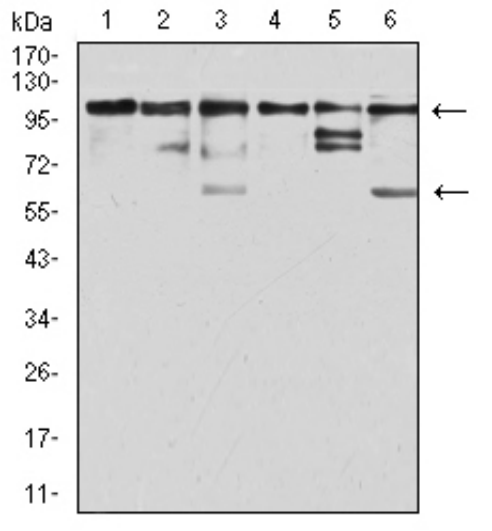


Western blot analysis using ZFP91 mAb against human ZFP91 (AA: 162-304) recombinant protein. (Expected MW is 43 kDa)



Western blot analysis using ZFP91 mAb against HEK293 (1) and ZFP91 (AA: 162-304)-hIgGFc transfected HEK293 (2) cell lysate.



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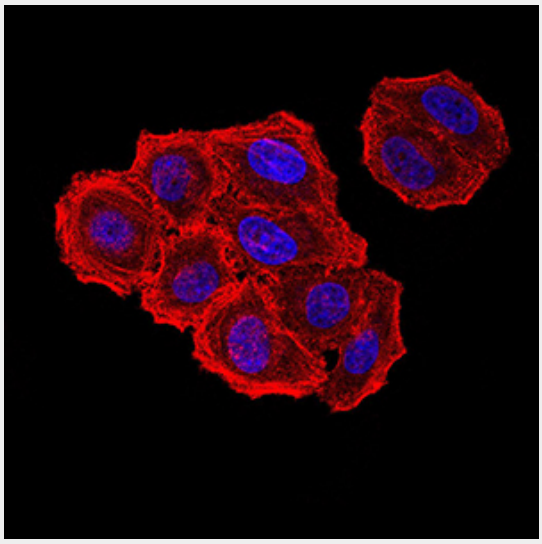
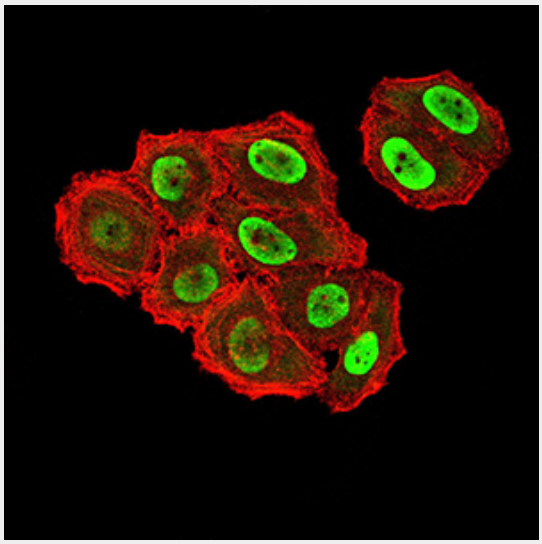
Western blot analysis using ZFP91 mouse mAb against Jurkat (1), A431 (2), HepG2 (3), HEK293 (4), A549 (5), and PC-3 (6) cell lysate.



Immunofluorescence analysis of Hela cells using ZFP91 mouse mAb. Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



Immunofluorescence analysis of Hela cells using ZFP91 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher

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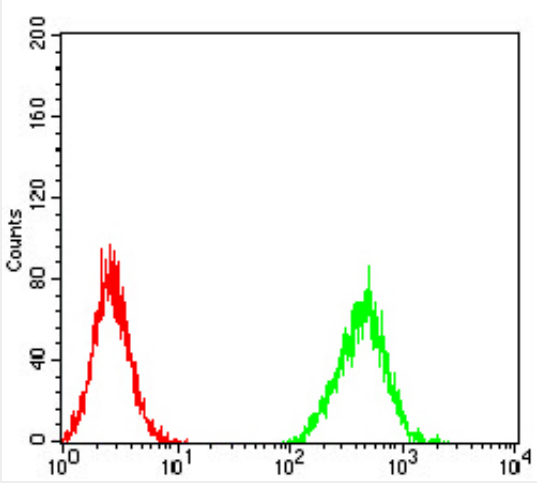

Flow cytometric analysis of Hela cells using ZFP91 mouse mAb (green) and negative control (red).

Mouse Monoclonal Antibody to ZFP91 - References

1.Pathol Oncol Res. 2014 Apr;20(2):453-9. ; 2.Biochem Biophys Res Commun. 2010 Oct 1;400(4):581-6.;