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Mouse Monoclonal Antibody to ZFP91

Purified Mouse Monoclonal Antibody
Catalog # AO2417a

Product Information

Application	WB, IHC, FC, ICC, E
Primary Accession	Q96JP5
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	8C3D5
Isotype	Mouse IgG1
Calculated MW	63445
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

Additional Information

Gene ID	80829
Other Names	PZF; DMS-8; DSM-8; FKSG11; ZFP-91; ZNF757
Dilution	WB~~1:1000 IHC~~1:100~500 FC~~1:10~50 ICC~~N/A E~~N/A
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.

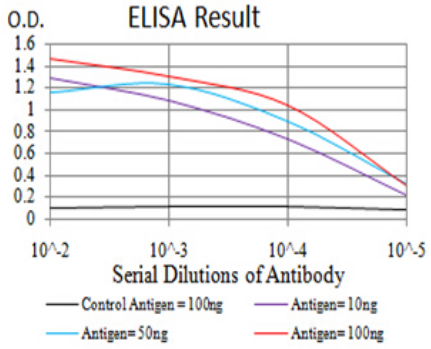
Protein Information

Name	ZFP91
Synonyms	ZNF757
Function	DNA-binding transcription factor (PubMed: 34936696, PubMed:40608935). Also acts as an atypical E3 ubiquitin-protein ligase that mediates 'Lys-63'-linked ubiquitination of MAP3K14/NIK, leading to stabilize and activate MAP3K14/NIK (PubMed:20682767). It thereby acts as an activator of the non-canonical NF-kappa-B2/NFKB2 pathway (PubMed:20682767). May also play an important role in cell proliferation and/or anti-apoptosis (PubMed:12738986).
Cellular Location	Nucleus
Tissue Location	Expressed ubiquitously, particularly at high level in testis. Isoform 2 is testis specific

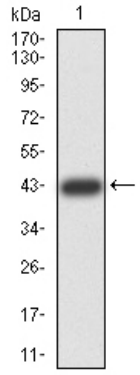
References

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

Images

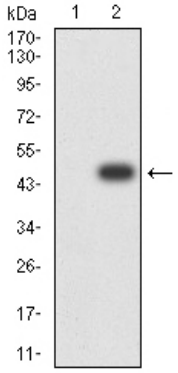


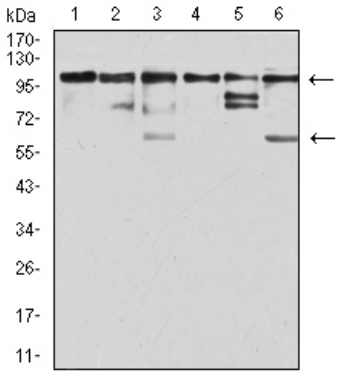
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



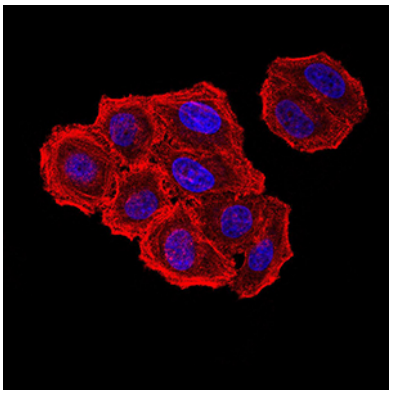
Western blot analysis using ZFP91 mAb against human ZFP91 (AA: 162-304) recombinant protein. (Expected MW is 43 kDa)

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

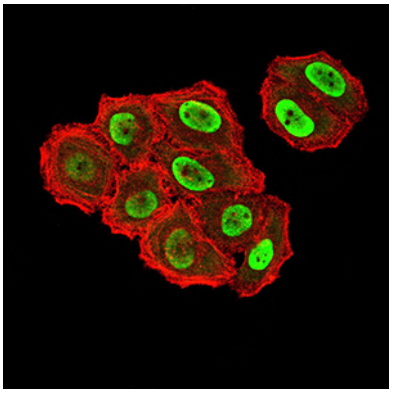




Western blot analysis using ZFP91 mouse mAb against Jurkat (1), A431 (2), HepG2 (3), HEK293 (4), A549 (5), and PC-3 (6) cell lysate.

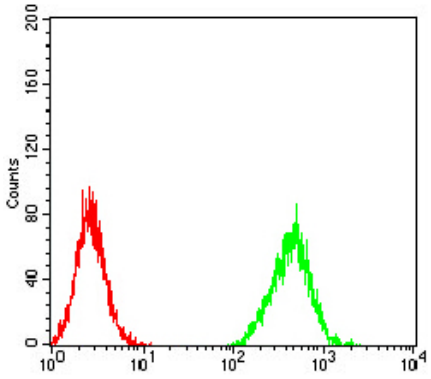


Immunofluorescence analysis of Hela cells using ZFP91 mouse mAb. Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



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

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



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