10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Mouse Monoclonal Antibody to ZFP91

Purified Mouse Monoclonal Antibody
Catalog # AO2418a

Product Information

Application	WB, IHC, FC, ICC, E
Primary Accession	Q96JP5
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	7G11H2
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.

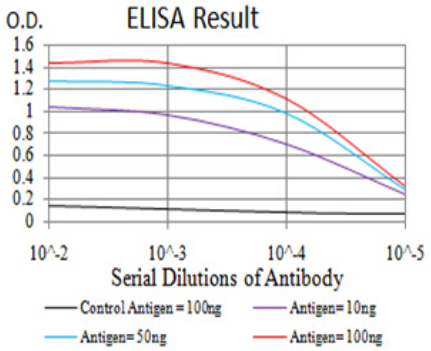
Protein Information

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

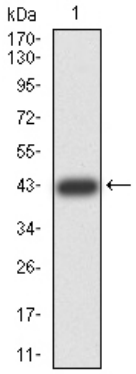
References

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

Images

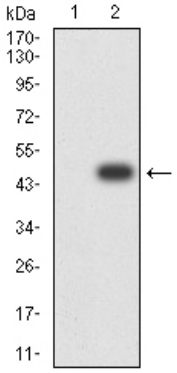


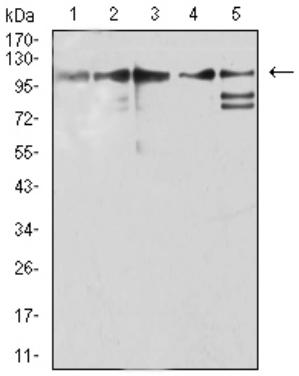
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



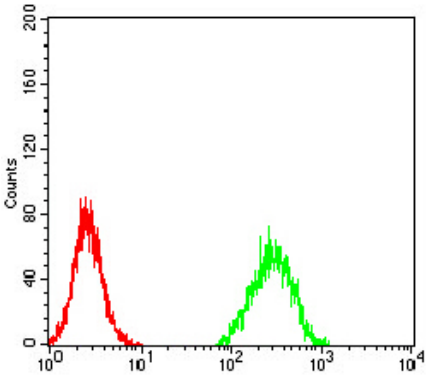
Western blot analysis using ZFP91 mAb against human ZFP91 (AA: 162-304) recombinant protein. (Expected MW is 43 kDa)

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

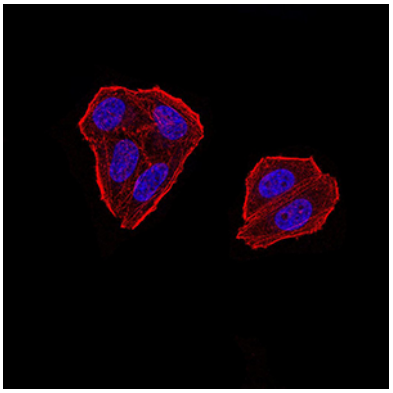




Western blot analysis using ZFP91 mouse mAb against Jurkat (1), A431 (2), HepG2 (3), HEK293 (4), and A549 (5) cell lysate.

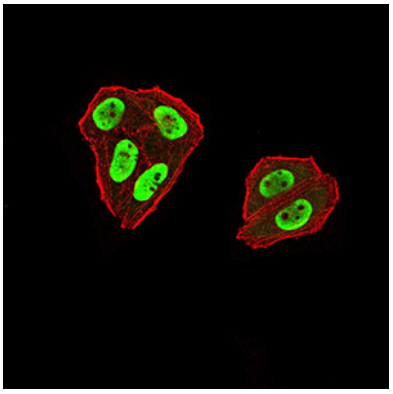


Flow cytometric analysis of Hela cells using ZFP91 mouse mAb (green) and negative control (red).



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



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.