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Anti-MZF1 Antibody

Catalog # AP51376

Product Information

Application	WB, IHC, CHIP, IF/IC
Primary Accession	P28698
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	82055

Additional Information

Gene ID	7593
Other Names	MZF; ZNF42; ZSCAN6; Myeloid zinc finger 1; MZF-1; Zinc finger and SCAN domain-containing protein 6; Zinc finger protein 42
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human MZF1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 CHIP~~N/A IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

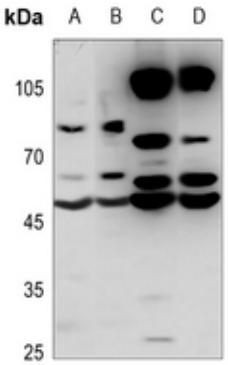
Protein Information

Name	MZF1
Synonyms	MZF, ZNF42, ZSCAN6
Function	Binds to target promoter DNA and functions as a transcription regulator. Regulates transcription from the PADI1 and CDH2 promoter. May be one regulator of transcriptional events during hemopoietic development.
Cellular Location	Nucleus.
Tissue Location	Preferentially expressed in differentiating myeloid cells. Detected in osteoblasts.

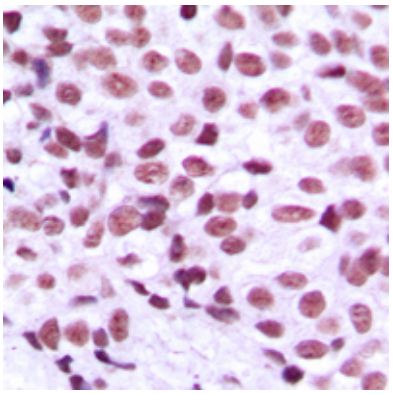
References

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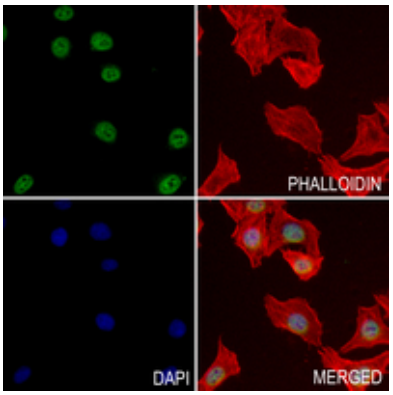
Images



Western blot analysis of MZF1 expression in MCF7 (A), DLD (B), mouse muscle (C), rat muscle (D) whole cell lysates. (Predicted band size: 82 kD; Observed band size: 82; 54 kD)



Immunohistochemical analysis of MZF1 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of MZF1 staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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