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Anti-ZNF638 Antibody

Catalog # AP51685

Product Information

Application	WB, IHC
Primary Accession	Q14966
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	220625

Additional Information

Gene ID	27332
Other Names	NP220; ZFML; Zinc finger protein 638; Cutaneous T-cell lymphoma-associated antigen se33-1; CTCL-associated antigen se33-1; Nuclear protein 220; Zinc finger matrin-like protein
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ZNF638. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500
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

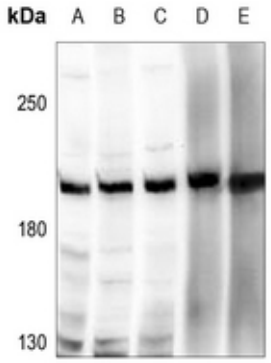
Name	ZNF638
Synonyms	NP220 {ECO:0000303|PubMed:8647861}, ZFML
Function	Transcription factor that binds to cytidine clusters in double-stranded DNA (PubMed:30487602, PubMed:8647861). Plays a key role in the silencing of unintegrated retroviral DNA: some part of the retroviral DNA formed immediately after infection remains unintegrated in the host genome and is transcriptionally repressed (PubMed:30487602). Mediates transcriptional repression of unintegrated viral DNA by specifically binding to the cytidine clusters of retroviral DNA and mediating the recruitment of chromatin silencers, such as the HUSH complex, SETDB1 and the histone deacetylases HDAC1 and HDAC4 (PubMed:30487602). Acts as an early regulator of adipogenesis by acting as a transcription cofactor of CEBPs (CEBPA, CEBPD and/or CEBPG), controlling the expression of PPARG and probably of other proadipogenic genes, such as SREBF1 (By similarity). May also regulate

	alternative splicing of target genes during adipogenesis (By similarity).
Cellular Location	Nucleus speckle {ECO:0000255|PROSITE- ProRule:PRU00130, ECO:0000269|PubMed:11813260, ECO:0000269|PubMed:8647861}

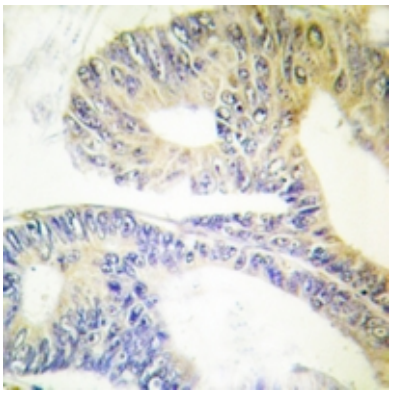
References

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Eichmueller S.,et al.Proc. Natl. Acad. Sci. U.S.A. 98:629-634(2001).
Chan C.W.,et al.Submitted (AUG-2002) to the EMBL/GenBank/DDBJ databases.
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Hillier L.W.,et al.Nature 434:724-731(2005).

Images



Western blot analysis of ZNF638 expression in PC3 (A), A549 (B), HEK293T (C), rat brain (D), mouse brain (E) whole cell lysates. (Predicted band size: 220 kD; Observed band size: 220; 120 kD)



Immunohistochemical analysis of ZNF638 staining in human colon 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.

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