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NP220 Polyclonal Antibody

Catalog # AP71360

Product Information

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

Additional Information

Gene ID	27332
Other Names	ZNF638; 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
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications. IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

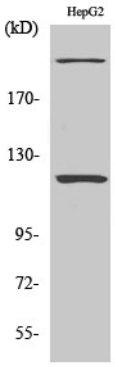
Name	ZNF638
Synonyms	NP220 {ECO:0000303|PubMed:8647861}, ZFML
Function	Transcription factor that binds to cytidine clusters in double-stranded DNA (PubMed:30487602, PubMed:8647861). Plays a key role in the silencing of unintegrated retroviral DNA: some part of the retroviral DNA formed immediately after 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}

Background

Early regulator of adipogenesis that works as a transcription cofactor of CEBPs, controlling the expression of PPARG and probably of other proadipogenic genes, such as SREBF1 (By similarity). Binds to cytidine clusters in double-stranded DNA (PubMed:8647861). May also regulate alternative splicing of target genes during adipogenesis (By similarity).

Images



Western Blot analysis of various cells using NP220 Polyclonal Antibody