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MIXL1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19284C

Product Information

Application	WB, E
Primary Accession	Q9H2W2
Other Accession	Q9WUI0, NP_114150.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB39333
Calculated MW	24659
Antigen Region	122-151

Additional Information

Gene ID	83881
Other Names	Homeobox protein MIXL1, Homeodomain protein MIX, hMix, MIX1 homeobox-like protein 1, Mix1 homeobox-like protein, MIXL1, MIXL
Target/Specificity	This MIXL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 122-151 amino acids from the Central region of human MIXL1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	MIXL1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MIXL1
Synonyms	MIXL
Function	Transcription factor that play a central role in proper axial mesendoderm

	morphogenesis and endoderm formation. Required for efficient differentiation of cells from the primitive streak stage to blood, by acting early in the recruitment and/or expansion of mesodermal progenitors to the hemangioblastic and hematopoietic lineages. Also involved in the morphogenesis of the heart and the gut during embryogenesis. Acts as a negative regulator of brachyury expression (By similarity).
Cellular Location	Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108, ECO:0000269|PubMed:12070013, ECO:0000269|PubMed:17303500}
Tissue Location	Restricted to progenitors and secondary lymph tissues. In normal hematopoiesis, it is restricted to immature B- and T-lymphoid cells. Present in differentiating embryonic stem cells (at protein level).

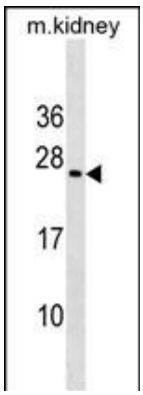
Background

Homeodomain proteins, such as MIXL1, are transcription factors that regulate cell fate during development (Hart et al., 2005 [PubMed 15982639]).

References

Davis, R.P., et al. Blood 111(4):1876-1884(2008)
Drakos, E., et al. Hum. Pathol. 38(3):500-507(2007)
Hart, A.H., et al. Biochem. Biophys. Res. Commun. 333(4):1361-1369(2005)
Guo, W., et al. Blood 100(1):89-95(2002)
Sahr, K., et al. Gene 291 (1-2), 135-147 (2002) :

Images



MIXL1 Antibody (Center)(Cat. #AP19284c) western blot analysis in mouse kidney tissue lysates (35ug/lane).This demonstrates the MIXL1 antibody detected the MIXL1 protein (arrow).

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