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

MIXL1 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21011c

Product Information

Application	WB, E
Primary Accession	Q9H2W2
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB51401
Calculated MW	24659

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 a rabbit immunized with a KLH conjugated synthetic peptide between 183-218 amino acids from the C-terminal region of human MIXL1.
Dilution	WB~~1:500-1:1000 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 (C-term) 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).

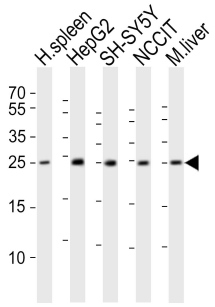
Background

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 [removed]By similarity).

References

Guo W.,et al.Blood 100:89-95(2002).
Robb L.,et al.Dev. Dyn. 219:497-504(2000).
Gregory S.G.,et al.Nature 441:315-321(2006).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Mossman A.K.,et al.Stem Cells Dev. 14:656-663(2005).

Images



Western blot analysis of lysates from human spleen tissue lysate, HepG2, SH-SY5Y, NCCIT cell line, mouse liver tissue lysate (from left to right), using MIXL1 Antibody (C-term)(Cat. #AP21011c). AP21011c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.