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

MIXL1 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19284c

Specification

MIXL1 Antibody (Center) - Product Information

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

MIXL1 Antibody (Center) - 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

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.

MIXL1 Antibody (Center) - 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}

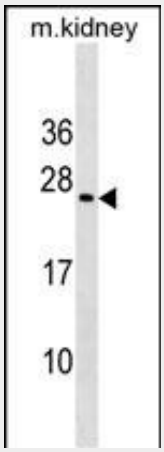
Tissue Location
Restricted to progenitors and secondary lymph tissues. In normal hematopoiesis, it is restricted to immature B- and T-lymphoid cells. Present in differentiating embryonic stem cells (at protein level).

MIXL1 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MIXL1 Antibody (Center) - 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).

MIXL1 Antibody (Center) - Background

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

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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) :