

VENTX Antibody
Catalog # ASC11175**Specification**

VENTX Antibody - Product Information

Application	WB, IHC-P, IF, E
Primary Accession	O95231
Other Accession	NP_055283 , 7657180
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	VENTX antibody can be used for detection of VENTX by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL.

VENTX Antibody - Additional Information

Gene ID	27287
Target/Specificity	
VENTX;	

Reconstitution & Storage

VENTX antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Precautions

VENTX Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

VENTX Antibody - Protein Information

Name VENTX

Synonyms HPX42B, VENTX2

Function

May be involved in ventralization.

Cellular Location

Nucleus.

Tissue Location

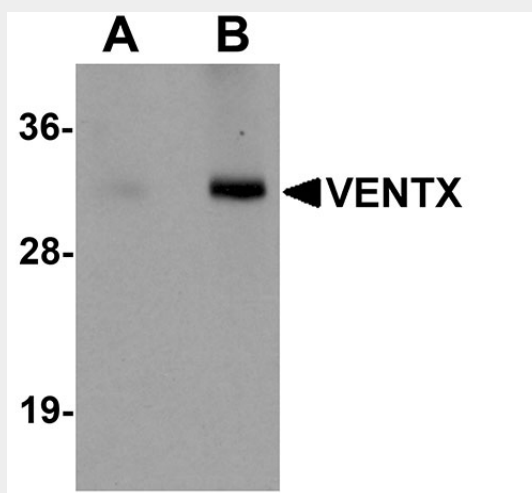
Expressed in bone marrow of patients recovering from chemotherapy. Also expressed in an erythroleukemia cell line

VENTX Antibody - Protocols

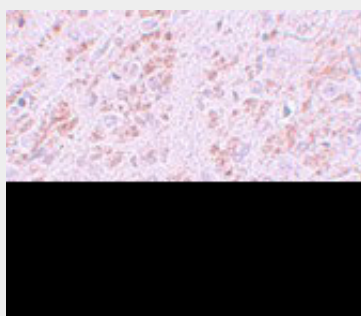
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

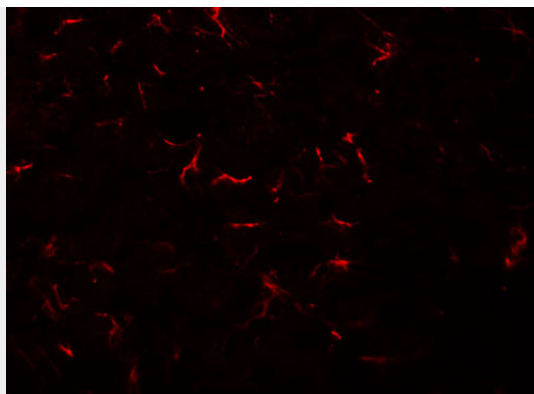
VENTX Antibody - Images



Western blot analysis of VENTX in mouse brain tissue lysate with VENTX antibody at (A) 1 and (B) 2 $\mu\text{g/mL}$.



Immunohistochemistry of VENTX in rat brain tissue with VENTX antibody at 5 $\mu\text{g/mL}$.



Immunofluorescence of VENTX in rat brain tissue with VENTX antibody at 20 µg/mL.

VENTX Antibody - Background

VENTX Antibody: Lymphoid-enhancing factor/T-cell factors (LEF1/TCF) are a high-mobility group of transcriptional factors that play essential roles in cell fate determination during early embryogenesis and ontogenesis. VENTX is a member of the Vent family of homeodomain proteins. It is a novel LEF/TCF-associated transcriptional modulator. VENTX is predominately expressed in hematopoietic cells. VENTX may function as a transcriptional repressor and be involved in mesodermal patterning and hematopoietic stem cell maintenance, and has been suggested to have a potential role in the hematopoietic malignancies.

VENTX Antibody - References

Reya T and Clevers H. Wnt signalling in stem cells and cancer. *Nature* 2005; 434:843-50.
Moretti PA, Davidson AJ, Baker E, et al. Molecular cloning of a human Vent-like homeobox gene. *Genomics* 2001; 76:21-9.
Gao H, Le Y, Wu X, et al. VentX, a novel lymphoid-enhancing factor/T-cell factor-associated transcription repressor, is a putative tumor suppressor. *Cancer Res.* 2010; 70:202-11.
Shtutman M, Zhurinsky J, Simcha I, et al. The cyclin D1 gene is a target of the β -catenin/LEF-1 pathway. *Proc. Natl. Acad. Sci. USA* 1999; 96:5522-7.