SOX-11 Antibody

Datasheet

For Research Use Only

Description	Catalog No.	Size
SOX-11 Concentrate	FP-A070-01	0.1 ml
SOX-11 Concentrate	FP-A070-05	1 ml
SOX-11 Predilute	FP-A070-70	7 ml

Description

SRY (Sex Determining Region Y)-Box 11 (SOX11), also known as Transcription Factor SOX11, is a nuclear transcription factor that acts in regulation of embryonic development, cell differentiation, and the development of the human central nervous system. SOX11 is expressed in medulloblastoma and glioma, and has been indicated as a marker for both Cyclin D1-positive and -negative mantle cell lymphomas, Burkitt's lymphoma, and lymphoblastic lymphoma.

Specifications

Clone	IHC011
Source	Mouse Monoclonal
Applications	IHC (P)
Formulation	Tris Buffer, pH 7.3 - 7.7, with 1% BSA and <0.1% Sodium Azide

IHC Procedure*

Positive Control Tissue	Mantle Cell Lymphoma
Concetrated Dilution	1:50 – 1:200
Pretreatment	Perform heat-induced epitope retrieval (HIER) at pH 9 for 10 to 30 minutes
Incubation Time and Temp	10 to 30 minutes at room temperature
Detection	Refer to the detection system manual

*Result should confirmed by an established diagnostic procedure.

Result

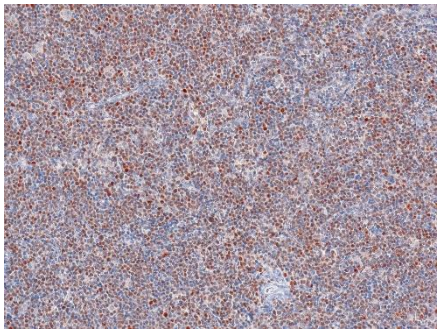

Figure. SOX-11 on Lymphoma

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Storage and Handling

Must store the reagent at 2-8 °C. Do not freeze. Do not use the reagent after expiration date on vial. To ensure proper stability and delivery of the antibody after each run, replace the cap and immediately place the bottle in a refrigerator in an upright position. Positive and negative controls should be simultaneously run with unknown specimens, as there are no conclusive characteristics to suggest instability of the antibody.

Precautions

The product is for research use only. Do not use for diagnosis purpose. Ensure proper handling procedures are used with all reagents. Always wear laboratory coats, disposable gloves, and other appropriate laboratory equipment when handling reagents. Do not ingest reagents, and avoid contact with eyes and mucous membranes. Wash eyes with copious amounts of water if contact occurs.

References

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3. **Mozos A,** et al. "SOX11 expression is highly specific for mantle cell lymphoma and identifies the cyclin D1-negative subtype." Haematologica. 2009 Nov;94(11):1555-62.
4. **Hargrave M,** et al. "Expression of the Sox11 gene in mouse embryos suggests roles in neuronal maturation and epithelio-mesenchymal induction." Dev Dyn. 1997 Oct;210(2):79-86.
5. **Lee CJ,** et al. "Differential expression of SOX4 and SOX11 in medulloblastoma." J Neurooncol. 2002 May;57(3):201-14.
6. **Salaverria I,** et al. "Mantle cell lymphoma: from pathology and molecular pathogenesis to new therapeutic perspectives." Haematologica. 2006 Jan;91(1):11-6.
7. **Fu K,** et al. "Cyclin D1-negative mantle cell lymphoma: a clinicopathologic study based on gene expression profiling." Blood. 2005 Dec 15;106(13):4315-21. Epub 2005 Aug 25.
8. **Katzenberger T,** et al. "Delineation of distinct tumour profiles in mantle cell lymphoma by detailed cytogenetic, interphase genetic and morphological analysis." Br J Haematol. 2008 Aug;142(4):538-50.
9. **Wlodarska I,** et al. "Translocations targeting CCND2, CCND3, and MYCN do occur in t(11;14)-negative mantle cell lymphomas." Blood. 2008 Jun 15;111(12):5683-90.
10. **Weigle B,** et al. "Highly specific overexpression of the transcription factor SOX11 in human malignant gliomas." Oncol Rep. 2005 Jan;13(1):139-44.
11. **Zeng W,** et al. "Cyclin D1-negative blastoid mantle cell lymphoma identified by SOX11 expression." Am J Surg Pathol. 2012 Feb;36(2):214-9.

Technical Support

Contact FemtoPath Technical Support at +886232338585 or email to femtopath@hongjing.com.tw for questions regarding this product.