

Rabbit anti-TCL1, clone EP105 (Monoclonal)

Clone no. EP105

MONOSAN

Product name	Rabbit anti-TCL1, clone EP105 (Monoclonal)
Host	Rabbit
Applications	IHC-P (1:100-1:200)
Species reactivity	human
Conjugate	-
Immunogen	Unknown or proprietary to MONOSAN and/or its suppliers
Isotype	IgG
Clonality	Monoclonal
Clone number	EP105
Size	1 ml
Concentration	n/a
Format	-
Storage buffer	Tris Buffer, pH 7.3-7.7, containing 1% BSA and <0.1% Sodium Azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

T-cell leukemia/lymphoma protein 1A (TCL1) is a member of the TCL1 family and enhances the phosphorylation and activation of AKT1, AKT2 and AKT3. TCL1 promotes the nuclear translocation of AKT1 and enhances cell proliferation, stabilizes mitochondrial membrane potential and promotes cell survival. The expression of TCL1 is restricted to lymphoid cells. It is expressed early in lymphocyte differentiation. Strong expression of TCL1 is found in a subset of mantle zone B lymphocytes and is expressed to a lesser extent by follicle center cells. In B cell neoplasia, TCL1 immunoreactivity is found in the majority of B cell lymphomas including lymphoblastic lymphoma, chronic lymphocytic leukemia, mantle cell lymphoma, follicular lymphoma, Burkitt lymphoma, diffuse large B-cell lymphoma (60%), and primary cutaneous B cell lymphoma (55%). The expression of the TCL1 gene characterizes low-grade B cell lymphomas.

References

1. Laine J, et al. Mol Cell 2000, 6:395-407
2. Pekarsky Y, et al. Proc Natl Acad Sci U S A, 2000, 97:3028-3033
3. Narducci MG, et al. Cancer Res, 2000, 60:2095-2100
4. Roos J, et al. Pathobiology, 2001, 69:59-66
5. Nakayama I, et al. Pathol Int, 2000, 50:191-199

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