TCL1A monoclonal antibody

Catalog: MB66129 Host: Mouse Reactivity: Human

BackGround:

TCL1 (T cell leukemia 1), MTCP1 and TCL1b belong to the TCL1 proto-oncogene family, and their products are involved in Akt activation during embryonic development, T cell leukemias, prolymphocytic leukemias and B cell lymphomas . The Akt association domain of TCL1 binds with the PH domain of Akt. The formation of an oligomeric TCL-Akt complex is required for TCL1 coactivator function and results in phosphorylation and activation of Akt . Furthermore, functional analysis indicates that the interaction between TCL1 and Akt promotes translocation of Akt to the nucleus . These findings are supported by the crystal structure of TCL1, which suggests that TCL1 may participate in molecular transport .

Product:

Mouse IgG1. Liquid in PBS containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.

Molecular Weight:

~ 13 kDa

Swiss-Prot:

P56279

Purification&Purity:

The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

IHC (1/100 - 1/300)

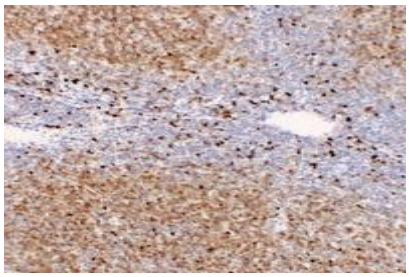
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

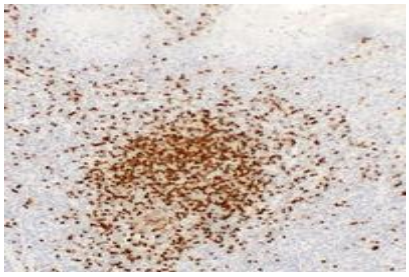
Specificity:

Recognizes endogenous levels of TCL1A protein.

DATA:



Immunohistochemical analysis of TCL1A staining in human follicular lymphoma formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunohistochemical analysis of TCL1A staining in human tonsil formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Note:

For research use only, not for use in diagnostic procedure.

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