

TCL1 (ABT234) Mouse mAb

CatalogNo: YM4849

Key Features

Host Species

- Mouse

Reactivity

- Human,

Applications

- IHC, WB, IF, ELISA

MW

- 13kD (Calculated)
13kD (Observed)

Isotype

- IgG2a, Kappa

Recommended Dilution Ratios

IHC 1:200-1000

WB 1:500-2000

IF 1:100-500

ELISA 1:1000-5000

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Basic Information

Clonality Monoclonal

Clone Number ABT234

Immunogen Information

Immunogen Synthesized peptide derived from human TCL1 AA range: 50-114

Specificity The antibody can specifically recognize human TCL1 protein.

| Target Information

Gene name TCL1A TCL1

Protein Name TCL1

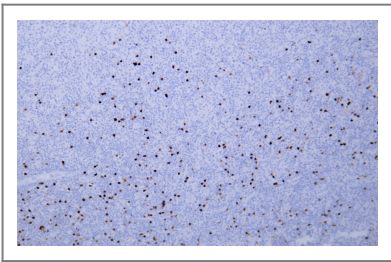
Organism	Gene ID	UniProt ID
Human	8115 ;	P56279 ;

Cellular Localization Cytoplasmic, Nuclear

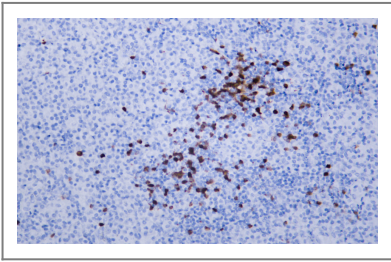
Tissue specificity Restricted in the T-cell lineage to immature thymocytes and activated peripheral lymphocytes. Preferentially expressed early in T- and B-lymphocyte differentiation.

Function Disease:Chromosomal aberrations activating TCL1A are found in chronic T-cell leukemias (T-CLL). Translocation t(14;14)(q11;q32); translocation t(7;14)(q35;q32); inversion inv(14)(q11;q32) that involves the T-cell receptor alpha/delta locuses.,Function:Enhances the phosphorylation and activation of AKT1, AKT2 and AKT3. Promotes nuclear translocation of AKT1. Enhances cell proliferation, stabilizes mitochondrial membrane potential and promotes cell survival.,similarity:Belongs to the TCL1 family.,subcellular location:Microsomal fraction.,subunit:Homodimer. Interacts with AKT1, AKT2 and AKT3 (via PH domain). Interacts with PNPT1; the interaction has no effect on PNPT1 exonuclease activity.,tissue specificity:Restricted in the T-cell lineage to immature thymocytes and activated peripheral lymphocytes. Preferentially expressed early in T- and B-lymphocyte differentiation.,

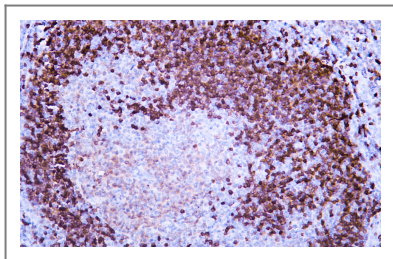
| Validation Data



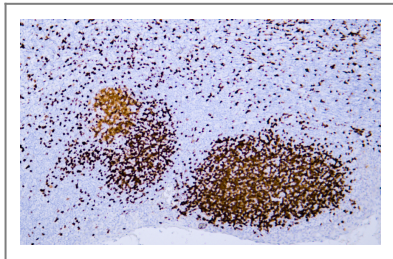
Human diffuse large B-cell lymphoma tissue was stained with Anti-TCL1 (ABT234) Antibody



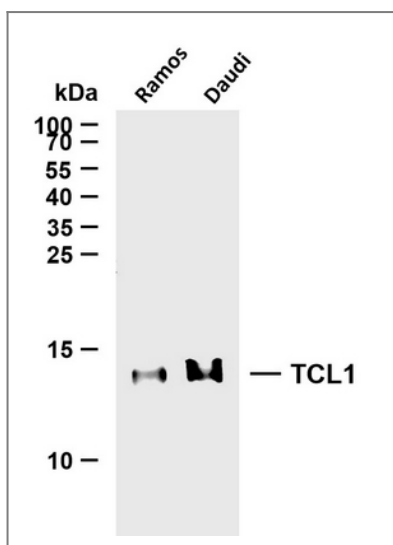
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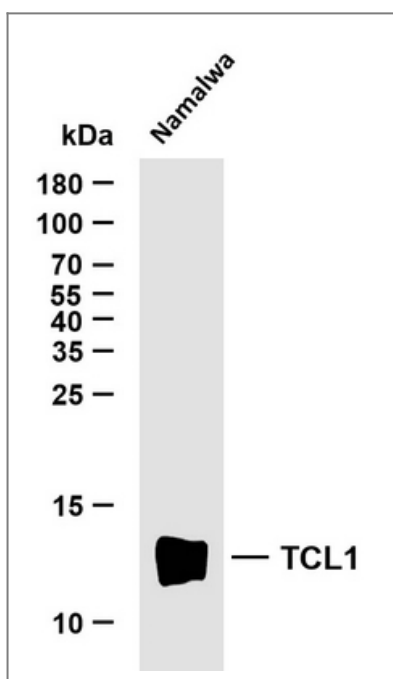
Human follicular lymphoma tissue was stained with Anti-TCL1 (ABT234) Antibody



Human tonsil tissue was stained with Anti-TCL1 (ABT234) Antibody



Various whole cell lysates were separated by 15% SDS-PAGE, and the membrane was blotted with anti-TCL1 (ABT234) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: Ramos Lane 2: Daudi



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Please scan the QR code
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TCL1 (ABT234)
Mouse mAb

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