BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
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Anti-Transcription factor 12 TCF12 Antibody

Catalog Number: A02592

About TCF12

TCF12, also known as HTF4, is a member of the basic helix-loop-helix (bHLH) E-protein family that recognizes the consensus binding site (E-box) CANNTG. TCF12 is expressed in many tissues, among them skeletal muscle, thymus, B- and T-cells, and may participate in regulating lineage-specific gene expression through the formation of heterodimers with other bHLH E-proteins. TCF12, in combination with E2A, is required to block thymocyte proliferation prior to pre-TCR expression and is critical for proper T cell differentiation. Recent reports have shown that TCF12 is also a critical factor required for the development of invariant natural killer T cells.

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Overview

Product Name	Anti-Transcription factor 12 TCF12 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Transcription factor 12 TCF12 Antibody (Catalog # A02592). Tested in ELISA, WB, ICC applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, ICC, WB
Clonality	Polyclonal
Formulation	TCF12 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	TCF12 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q99081

Technical Details

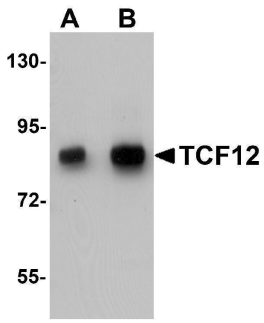
Immunogen	TCF12 antibody was raised against a 19 amino acid synthetic peptide near the amino terminus of human TCF12. The immunogen is located within amino acids 50 - 100 of TCF12.
Predicted Reactive Species	Chicken
Isotype	IgG

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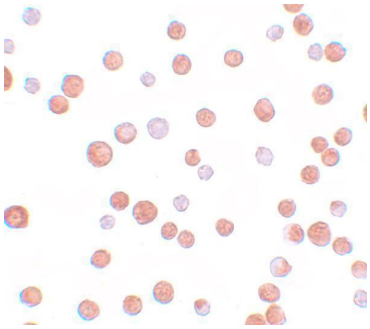
Form	Liquid
Concentration	1 mg/mL
Purification	TCF12 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	TCF12 antibody can be used for detection of TCF12 by Western blot at 0.5 - 1 ug/mL. Antibody can also be used for immunocytochemistry starting at 10 ug/mL. Antibody validated: Western Blot in human samples and Immunocytochemistry in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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Anti-Transcription factor 12 TCF12 Antibody (A02592) Images



Western blot analysis of TCF12 in HeLa cell lysate with TCF12 antibody at (A) 0.5 and (B) 1 ug/mL.



Immunocytochemistry of TCF12 in HeLa cells with TCF12 antibody at 10 ug/mL.

Anti-Transcription factor 12 TCF12 Antibody

For Research Use Only. Not for use in diagnostic procedures.