

T-bet/Tbx21 Rabbit PolymAb®

Catalog No.: A23414-PM

Basic Information

Observed MW

70kDa

Calculated MW

58kDa

Category

Primary antibody

Applications

WB,IHC-P,IP,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC61889_ARC61564

Background

This gene is a member of a phylogenetically conserved family of genes that share a common DNA-binding domain, the T-box. T-box genes encode transcription factors involved in the regulation of developmental processes. This gene is the human ortholog of mouse Tbx21/Tbet gene. Studies in mouse show that Tbx21 protein is a Th1 cell-specific transcription factor that controls the expression of the hallmark Th1 cytokine, interferon-gamma (IFNG). Expression of the human ortholog also correlates with IFNG expression in Th1 and natural killer cells, suggesting a role for this gene in initiating Th1 lineage development from naive Th precursor cells.

Recommended Dilutions

WB 1:1000 - 1:10000

IHC-P 1:200 - 1:800

IP 0.5µg-4µg antibody for
300µg-500µg extracts of
whole cells

ELISA Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on
your specific assay
requirements.

Contact

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Immunogen Information

Gene ID

30009

Swiss Prot

Q9UL17

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 322-535 of human T-bet/Tbx21(NP_037483.1).

Synonyms

TBET; IMD88; T-PET; T-bet; TBLYM

Product Information

Source

Rabbit

Isotype

IgG

Purification

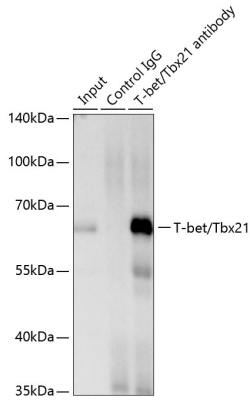
Affinity purification

Storage

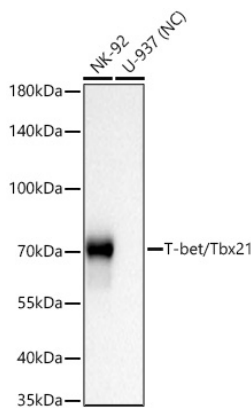
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

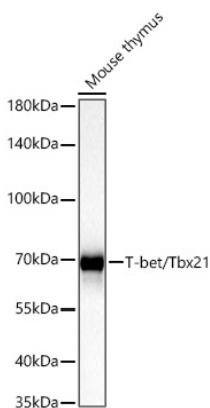
Validation Data



Immunoprecipitation of T-bet/Tbx21 from 400 µg extracts of NK-92 cells was performed using 1 µg of T-bet/Tbx21 Rabbit PolymAb (A23414-PM). Rabbit IgG isotype control (AC042) was used to precipitate the Control IgG sample. IP samples were eluted with 1X reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using T-bet/Tbx21 Rabbit PolymAb (A23414-PM) at a dilution of 1:1000.

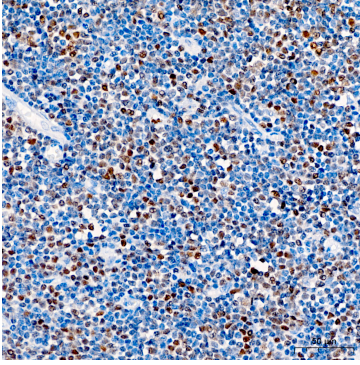


Western blot analysis of various lysates using T-bet/Tbx21 Rabbit PolymAb® (A23414-PM) at 1:5000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): U-937
Exposure time: 10s.

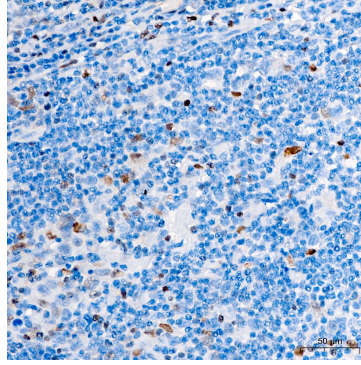


Western blot analysis of lysates from Mouse thymus using T-bet/Tbx21 Rabbit PolymAb® (A23414-PM) at 1:1000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45s.

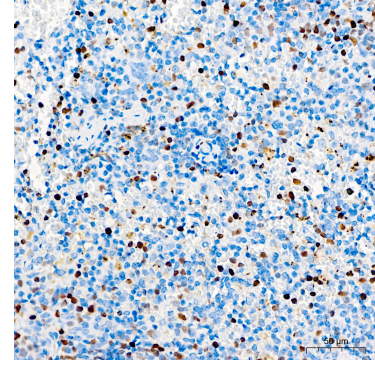
Validation Data



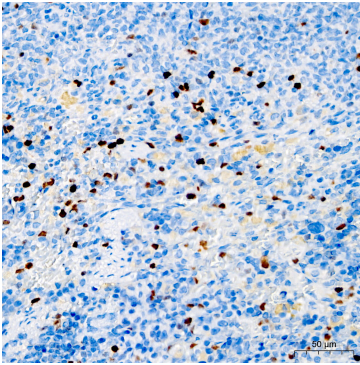
Immunohistochemistry analysis of paraffin-embedded Human peripheral T-cell lymphoma tissue using T-bet/Tbx21 Rabbit PolymAb® (A23414-PM) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human anaplastic large cell lymphoma tissue using T-bet/Tbx21 Rabbit PolymAb® (A23414-PM) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using T-bet/Tbx21 Rabbit PolymAb® (A23414-PM) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using T-bet/Tbx21 Rabbit PolymAb® (A23414-PM) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.