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T-bet/Tbx21 Rabbit mAb

Catalog No.: A23414   **Recombinant**

Basic Information

Observed MW
58-68kDa

Calculated MW
58kDa

Category
Primary antibody

Applications
ELISA,WB,IHC-P

Cross-Reactivity
Human

CloneNo number
ARC61889

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	1:500 - 1:1000
IHC-P	1:50 - 1:200

Immunogen Information

Gene ID
30009

Swiss Prot
Q9UL17

Immunogen
Recombinant protein of human T-bet/Tbx21.

Synonyms
TBET; IMD88; T-PET; T-bet; TBLYM; T-bet/Tbx21

Contact

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Product Information

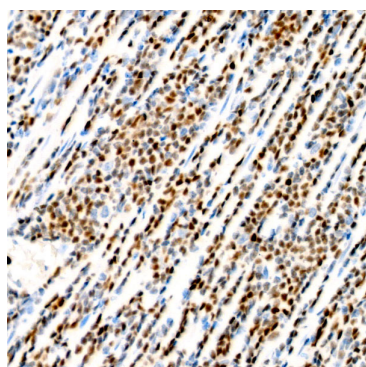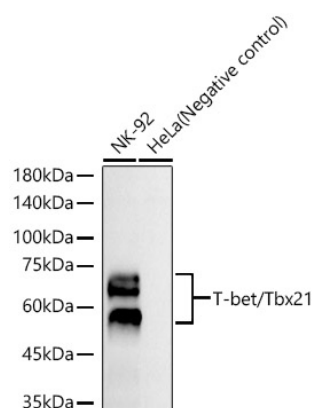| **Source**	**Isotype**	**Purification**
Rabbit	IgG	Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

Validation Data

Western blot analysis of various lysates, using T-bet/Tbx21 Rabbit mAb (A23414) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.

Immunohistochemistry analysis of paraffin-embedded Human peripheral T-cell lymphoma using T-bet/Tbx21 Rabbit mAb (A23414) at dilution of 1:200 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.