Datasheet for ABIN3042957

anti-T-Bet antibody (C-Term)

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Overview

Quantity:	100 µg
Target:	T-Bet
Binding Specificity:	AA 522-535, C-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This T-Bet antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for T-box transcription factor TBX21(TBX21) detection. Tested with WB in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human T-bet(522-535aa DKEAEGQFYNYFPN), different from the related rat and mouse sequences by one amino acid.
Sequence:	DKEAEGQFYN YFPN
Isotype:	IgG
Cross-Reactivity (Details):	Predicted Cross Reactivity: mouse No cross reactivity with other proteins. Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.
Characteristics:	Rabbit IgG polyclonal antibody for T-box transcription factor TBX21(TBX21) detection. Tested

Product Details

	with WB in Human,Mouse,Rat. Gene Name: T-box 21 Protein Name: T-box transcription factor TBX21
Purification:	Immunogen affinity purified.

Target Details

Target:	T-Bet
Alternative Name:	TBX21 (T-Bet Products)
Background:	TBX21(T-Box 21), also called TBET, is a protein that in humans is encoded by the TBX21 gene. This gene is a member of a phylogenetically conserved family of genes that share a common DNA-binding domain, the T-box. Zhang and Yang(2000) mapped the mouse Tbx21 gene to chromosome 11D in an area showing homology of synteny with human chromosome 17. Szabo et al.(2000) showed that TBX21 expression correlates with IFNG expression in Th1 and natural killer(NK) cells. Ectopic expression of TBX21 both transactivated the IFNG gene and induced endogenous IFNG production. Finotto et al.(2002) observed reduced expression of the T(H)1 transcription factor Tbet in T cells from airways of patients with asthma compared with that in T cells from airways of nonasthmatic patients, suggesting that loss of Tbet might be associated with asthma. Synonyms: T bet antibody|T box 21 antibody|T box expressed in T cells antibody|T box protein 21 antibody|T box transcription factor TBX21 antibody|T cell specific T box transcription factor antibody|T cell specific T box transcription factor T bet antibody|T PET antibody|T-box protein 21 antibody|T-box transcription factor TBX21 antibody|T-cell-specific T-box transcription factor T-bet antibody|TBET antibody|TBLYM antibody|TBX 21 antibody|TBX21 antibody|TBX21_HUMAN antibody|TPET antibody|Transcription factor TBLYM antibody

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse, The detection limit for TBX21 is approximately 0.5 ng/lane under reducing conditions. Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Application Details

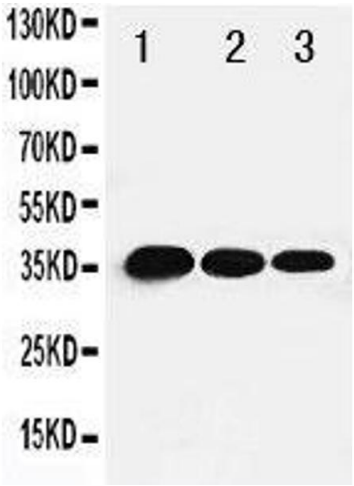
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

Publications

Product cited in:	Liu, Mei, Xu, Yu, Shi, Zhang, Wang, Zhang, Gao, Zhang, He: "Dual Receptor Recognizing Cell Penetrating Peptide for Selective Targeting, Efficient Intratumoral Diffusion and Synthesized Anti-Glioma Therapy." in: **Theranostics**, Vol. 6, Issue 2, pp. 177-91, (2017) (PubMed).



Western Blotting

Image 1. Lane 3: Recombinant Human TBX21 Protein 1.25ng

