

T-bet Polyclonal Antibody

Catalog NumberPA5-28881

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Published species	Not Applicable
Class	Polyclonal	Tested Applications	
Type	Antibody	Dilution *	
Immunogen	Recombinant fragment corresponding to a region within amino acids 82 and 395 of Human TBX21	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
		Western Blot (WB)	1:500-1:3,000
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS, pH 7, with 20% glycerol, 1% BSA		
Contains	0.01% thimerosal		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: NT2D1, IMR32, U87-MG. Predicted reactivity: Mouse (96%), Rat (97%), Pig (97%), Bovine (94%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

T-bet, also known as TBX21, is a T-cell specific transcription factor containing a single T-box DNA-binding domain. It controls the expression of the TH1 cytokine, interferon-gamma. Both Th1 and Th17 cells are crucial in immune regulation and autoimmune disease development. T-bet initiates Th1 lineage development from naive Th precursor cells and directs T cell differentiation to Th1 versus Th17. T-bet is cooperating with Stat4 (signal transducer and activator of transcription 4) in programming chromatin architecture for Th1 gene expression. Genetic variations in T-bet are associated with susceptibility to aspirin-induced asthma and nasal polyps.

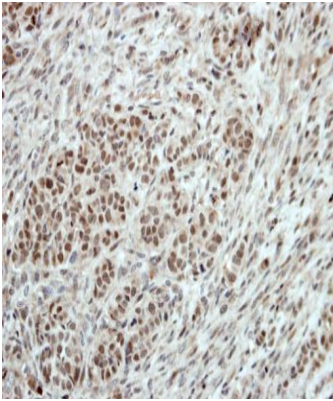
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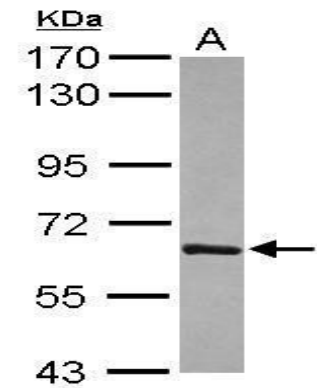
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Product Images For T-bet Polyclonal Antibody



T-bet Antibody (PA5-28881) in IHC (P)

Immunohistochemical analysis of paraffin-embedded DLD-1 xenograft, using TBX21 (Product # PA5-28881) antibody at 1:100 dilution. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.



T-bet Antibody (PA5-28881) in WB

Western Blot using T-bet Polyclonal Antibody (Product # PA5-28881). Sample (30 µg of whole cell lysate). Lane A: NT2D1. 7.5% SDS PAGE. T-bet Polyclonal Antibody (Product # PA5-28881) diluted at 1:3,000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.

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