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TRAT1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17143c

Product Information

Application	WB, E
Primary Accession	Q6PIZ9
Other Accession	NP_057472.2
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB30370
Calculated MW	21211
Antigen Region	98-127

Additional Information

Gene ID	50852
Other Names	T-cell receptor-associated transmembrane adapter 1, T-cell receptor-interacting molecule, TRIM, pp29/30, TRAT1, TCRIM
Target/Specificity	This TRAT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 98-127 amino acids from the Central region of human TRAT1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	TRAT1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TRAT1
Synonyms	TCRIM

Function	Stabilizes the TCR (T-cell antigen receptor)/CD3 complex at the surface of T-cells.
Cellular Location	Cell membrane; Single-pass type III membrane protein
Tissue Location	Strongly expressed in thymus, and to a lesser extent in spleen, lymph node and peripheral blood lymphocytes. Present in T-cells and NK cells, but not B-cells (at protein level)

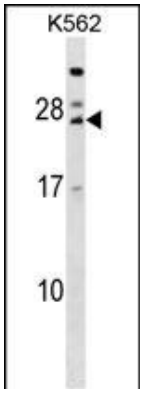
Background

TRAT1 stabilizes the TCR (T-cell antigen receptor)/CD3 complex at the surface of T-cells.

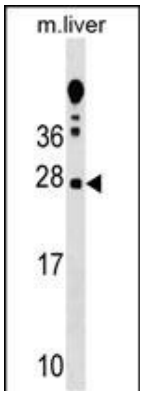
References

Jarvis, L.B., et al. Hum. Immunol. 69(11):687-695(2008)
Tedoldi, S., et al. Blood 107(1):213-221(2006)
Koyasu, S. Nat. Immunol. 4(4):313-319(2003)
Kirchgessner, H., et al. J. Exp. Med. 193(11):1269-1284(2001)
Zhang, W., et al. Semin. Immunol. 12(1):35-41(2000)

Images



TRAT1 Antibody (Center) (Cat. #AP17143c) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the TRAT1 antibody detected the TRAT1 protein (arrow).



TRAT1 Antibody (Center) (Cat. #AP17143c) western blot analysis in mouse liver tissue lysates (35ug/lane).This demonstrates the TRAT1 antibody detected the TRAT1 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.