

For Research Use Only

THEMIS Polyclonal antibody

Catalog Number: 27415-1-AP

1 Publications



Basic Information

Catalog Number: 27415-1-AP	GenBank Accession Number: BC130516	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 ug/ml by Nanodrop and 433 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 387357	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q8N1K5	
Isotype: IgG	Full Name: thymocyte selection pathway associated	
Immunogen Catalog Number: AG26387	Observed MW: 70 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: IF	WB : Jurkat cells,
Species Specificity: human, mouse	IHC : human tonsillitis tissue, mouse spleen tissue
Cited Species: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

The T cell lineage-restricted protein THEMIS, also called C6orf190 and C6orf207, plays a critical role in T cell development at the positive selection stage (PMID: 37159521). THEMIS plays a central role in late thymocyte development by controlling both positive and negative T-cell selection. It is required to sustain and/or integrate signals required for proper lineage commitment and maturation of T-cells and regulates T-cell development through T-cell antigen receptor (TCR) signaling (PMID: 28697966, 28250424). It can also promote the proliferative response of CD8+ T cells to low-affinity ligands (PMID: 31932808).

Notable Publications

Author	Pubmed ID	Journal	Application
Yao Li	38948071	Theranostics	IF

Storage

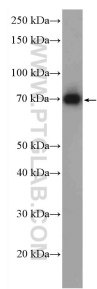
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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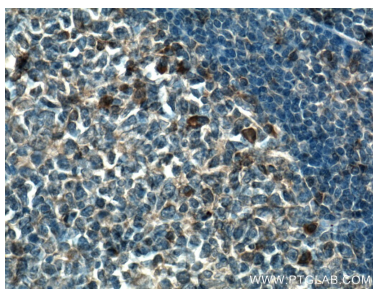
Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 27415-1-AP (TSEPA antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 27415-1-AP (TSEPA antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 27415-1-AP (TSEPA antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).