

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: WB : Jurkat cells, IHC : human tonsillitis tissue, mouse spleen tissue
Cited Applications: IF	
Species Specificity: human, mouse	
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)
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

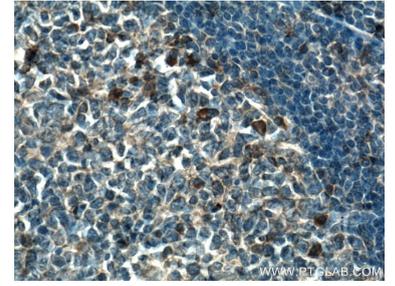
Selected Validation Data



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).