

Recombinant Anti-THEMIS Rabbit mAb

Catalog # AP95360

Product Information

Application	WB, FC, IP, IF/IC
Primary Accession	Q8N1K5
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal
Calculated MW	73452

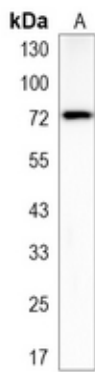
Additional Information

Gene ID	387357
Other Names	C6orf190; C6orf207; Protein THEMIS; Thymocyte-expressed molecule involved in selection
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human THEMIS protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) FC~~1:10~50 IP~~N/A IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C. Stable for 12 months from date of receipt

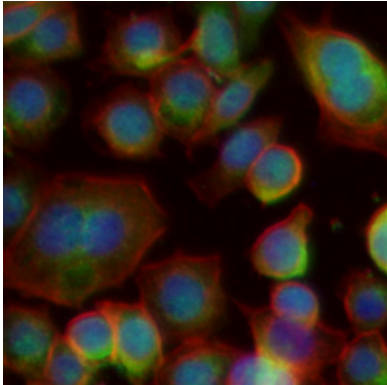
Protein Information

Name	THEMIS
Synonyms	C6orf190, C6orf207
Function	Plays a central role in late thymocyte development by controlling both positive and negative T-cell selection. Required to sustain and/or integrate signals required for proper lineage commitment and maturation of T-cells. Regulates T-cell development through T-cell antigen receptor (TCR) signaling and in particular through the regulation of calcium influx and phosphorylation of Erk.
Cellular Location	Cytoplasm {ECO:0000250 UniProtKB:Q8BGW0}. Nucleus {ECO:0000250 UniProtKB:Q8BGW0}

Images



Western blot analysis of THEMIS expression in Jurkat (A) whole cell lysates. (Predicted band size: 73 kD; Observed band size: 73 kD)



Immunofluorescent analysis of THEMIS staining in Jurkat cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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