

Product datasheet

Anti-Themis antibody [EPR7353] ab126771

Recombinant **RabMAb**

[1 References](#) [2 Images](#)

Overview

Product name	Anti-Themis antibody [EPR7353]
Description	Rabbit monoclonal [EPR7353] to Themis
Host species	Rabbit
Tested applications	Suitable for: WB, IP, ICC, Flow Cyt Unsuitable for: IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide, corresponding to residues in Human Themis (Q8N1K5).
Positive control	Jurkat and Human thymus lysates; Jurkat cells.
General notes	

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

This product is a [recombinant rabbit monoclonal antibody](#).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol, 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR7353
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab126771** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 73 kDa.
IP		1/10 - 1/100.
ICC		1/50 - 1/100.
Flow Cyt		1/10 - 1/100. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Application notes Is unsuitable for IHC-P.

Target

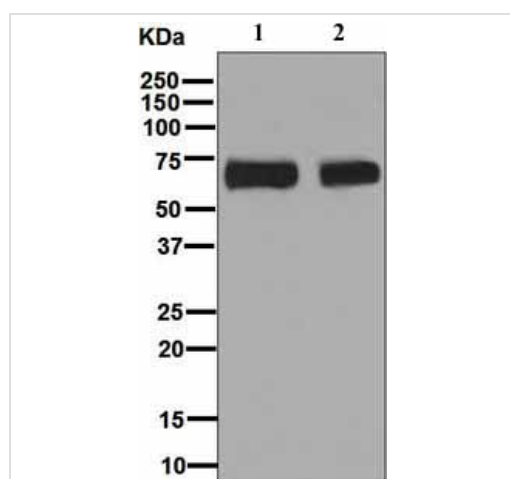
Function Plays a central role in late thymocyte development by controlling both positive and negative T-cell selection. Required to sustain and/or integrate signals required for proper lineage commitment and maturation of T-cells. Regulates T-cell development through T-cell antigen receptor (TCR) signaling and in particular through the regulation of calcium influx and phosphorylation of Erk.

Sequence similarities Belongs to the themis family.

Post-translational modifications Phosphorylated on Tyr residues quickly after TCR stimulation.

Cellular localization Cytoplasm. Nucleus.

Images



Western blot - Anti-Themis antibody [EPR7353] (ab126771)

All lanes : Anti-Themis antibody [EPR7353] (ab126771) at 1/1000 dilution

Lane 1 : Jurkat cell lysate

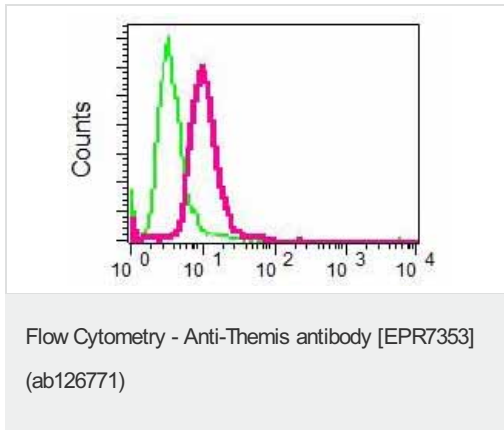
Lane 2 : Human thymus lysates

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-Rabbit HRP at 1/2000 dilution

Predicted band size: 73 kDa



ab126771 at 1/10 dilution staining Themis in permeabilized Jurkat cells by Flow cytometry (red) compared with a rabbit IgG negative control (green).

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