

Anti-Themis antibody [EPR7353] - BSA and Azide free ab248177

リコンビナント RabMAb

画像数 5

製品の概要

製品名	Anti-Themis antibody [EPR7353] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR7353] to Themis - BSA and Azide free
由来種	Rabbit
アプリケーション	適用あり: IP, Flow Cyt (Intra), WB, ICC/IF
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	IP: Jurkat cells; WB: Jurkat and MOLT-4 cells, Mouse and rat thymus lysate; ICC/IF: Jurkat cells Flow Cyt (intra): Jurkat cells.
特記事項	<p>ab248177 is the carrier-free version of ab126771.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR7353
アイソタイプ	IgG

アプリケーション

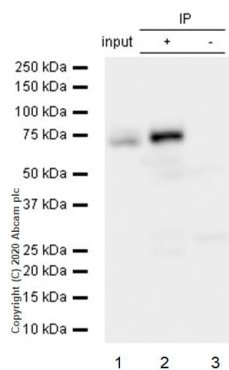
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab248177の使用に適用されず**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IP		Use at an assay dependent concentration.
Flow Cyt (Intra)		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 73 kDa.
ICC/IF		Use at an assay dependent concentration.

ターゲット情報

機能	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.
配列類似性	Belongs to the themis family.
翻訳後修飾	Phosphorylated on Tyr residues quickly after TCR stimulation.
細胞内局在	Cytoplasm. Nucleus.

画像



Immunoprecipitation - Anti-Themis antibody [EPR7353] - BSA and Azide free (ab248177)

This data was developed using **ab126771**, the same antibody clone in a different buffer formulation.

Purified **ab126771** at 1/30 dilution (2µg) immunoprecipitating Themis in Jurkat whole cell lysate.

Lane 1 (input): Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate 10µg

Lane 2 (+): **ab126771** + Jurkat whole cell lysate.

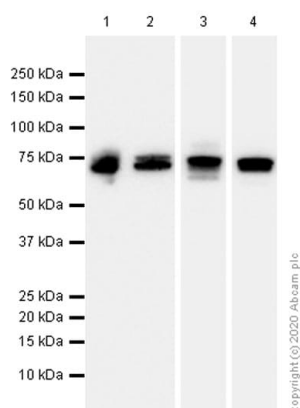
Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of **ab126771** in Jurkat whole cell lysate.

VeriBlot for IP Detection Reagent (HRP) (**ab131366**) (1/1000 dilution) was used for Western blotting.

Blocking Buffer and concentration: 5% NFDm/TBST.

Diluting buffer and concentration: 5% NFDm/TBST.

Observed band size: 73 kDa



Western blot - Anti-Themis antibody [EPR7353] - BSA and Azide free (ab248177)

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

Lane 1 : Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate

Lane 2 : MOLT-4 (Human lymphoblastic leukemia T lymphoblast) whole cell lysate

Lane 3 : Mouse thymus lysate

Lane 4 : Rat thymus lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

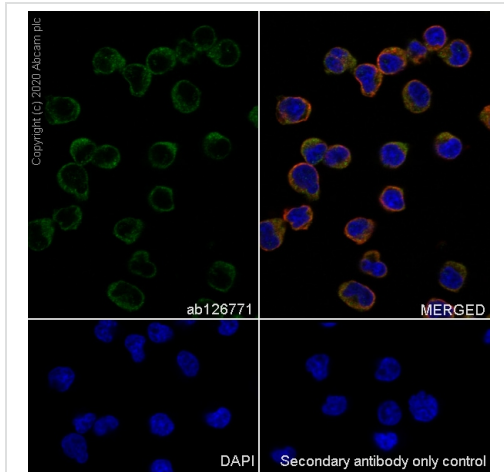
Predicted band size: 73 kDa

Observed band size: 73 kDa

This data was developed using **ab126771**, the same antibody clone in a different buffer formulation.

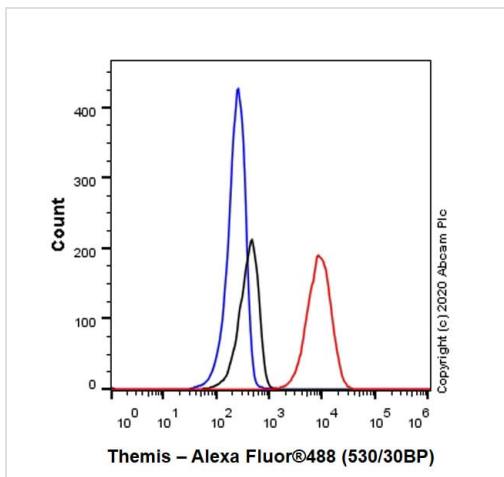
The molecular weight observed is consistent with what has been described in the literature (PMID: 25535246 and PMID: 19597499).

Blocking Buffer and concentration: 5% NFDm/TBST



Immunocytochemistry/ Immunofluorescence - Anti-Themis antibody [EPR7353] - BSA and Azide free (ab248177)

This data was developed using **ab126771**, the same antibody clone in a different buffer formulation. Immunocytochemistry analysis of Jurkat (Human T cell leukemia T lymphocyte) cells labeling Themis with Purified ab248177 at 1:50 dilution (10 µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Flow Cytometry (Intracellular) - Anti-Themis antibody [EPR7353] - BSA and Azide free (ab248177)

This data was developed using **ab126771**, the same antibody clone in a different buffer formulation. Intracellular Flow Cytometry analysis of Jurkat (Human T cell leukemia T lymphocyte) cells labeling Themis with Purified ab248177 at 1/50 dilution (10 µg/ml) (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).

Why choose a recombinant antibody?



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Confirmed specificity



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