

Anti-Calpain 2 antibody [EPR2562Y] ab75994

KO 評価済 リコンビナント RabMAb

2 References 画像数 5

製品の概要

製品名	Anti-Calpain 2 antibody [EPR2562Y]
製品の詳細	Rabbit monoclonal [EPR2562Y] to Calpain 2
由来種	Rabbit
アプリケーション	適用あり: Flow Cyt (Intra), WB 適用なし: ICC/IF or IHC-P
種交差性	交差種: Human
免疫原	Synthetic peptide within Human Calpain 2 aa 150-250. The exact sequence is proprietary.
ポジティブ・コントロール	WB: HEK-293T, A431 and LNCaP cell lysates; HeLa cytoplasmic or membrane lysate. Flow Cyt (intra): Permeabilized HeLa cells.
特記事項	<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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
精製度	Protein A purified

ポリ/モノ	モノクローナル
クローン名	EPR2562Y
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ab75994の使用に適用されます
 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確認ください。

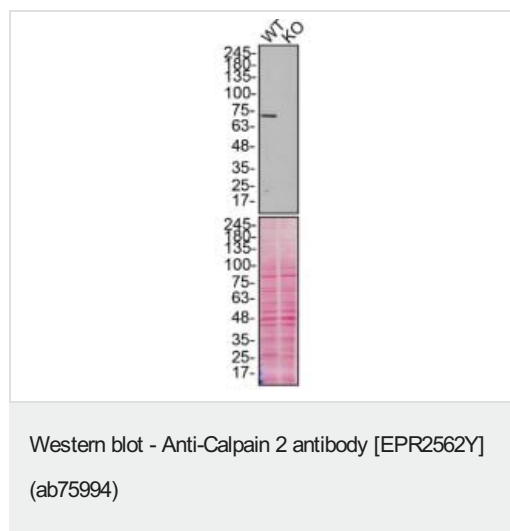
アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/60. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/2000. Detects a band of approximately 80 kDa.

追加情報 Is unsuitable for ICC/IF or IHC-P.

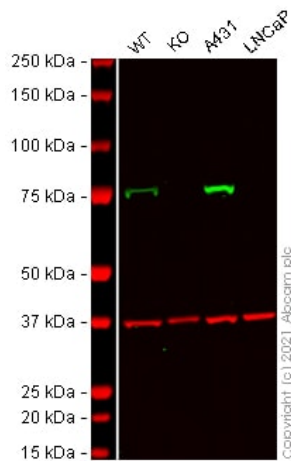
ターゲット情報

機能	Calcium-regulated non-lysosomal thiol-protease which catalyze limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction.
組織特異性	Ubiquitous.
配列類似性	Belongs to the peptidase C2 family. Contains 1 calpain catalytic domain. Contains 3 EF-hand domains.
細胞内局在	Cytoplasm. Cell membrane. Translocates to the plasma membrane upon Ca(2+) binding.

画像



ab75994 was shown to react with CAPN2 in wild-type MDA-MB-231 (wpdx GFP) cells in Western blot with loss of signal observed in a CAPN2 knockout cell line. Wild-type MDA-MB-231 (wpdx GFP) and CAPN2 knockout cell lysates were subjected to SDS-PAGE. Membranes were blocked in 5% milk in TBST for 1 hr before incubation with ab75994 overnight at 4 °C at a 1/2000 dilution. Blots were incubated with goat anti-rabbit HRP secondary antibodies at 0.2 µg/ml before imaging. These data were provided by YCharOS Inc., an open science company with the mission of characterizing commercially available antibody reagents for all human proteins. Abcam and YCharOS are working together to help address the reproducibility crisis by enabling the life science community to better evaluate commercially available antibodies.



Western blot - Anti-Calpain 2 antibody [EPR2562Y]
(ab75994)

All lanes : Anti-Calpain 2 antibody [EPR2562Y] (ab75994) at 1/2000 dilution

Lane 1 : Wild-type HEK-293T cell lysate at 40 µg

Lane 2 : CAPN2 knockout HEK-293T cell lysate at 40 µg

Lane 3 : A431 cell lysate at 20 µg

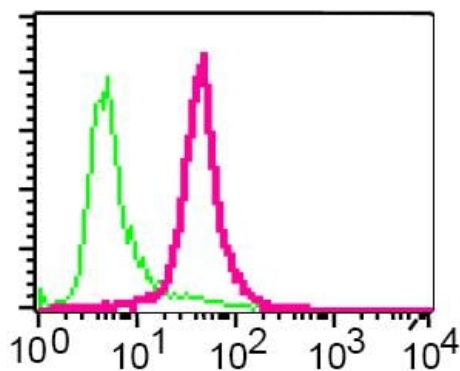
Lane 4 : LNCaP cell lysate at 20 µg

Performed under reducing conditions.

Observed band size: 75 kDa

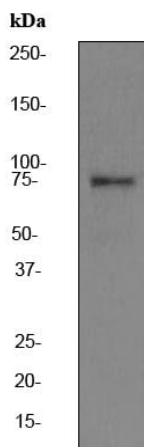
Lanes 1 - 4: Merged signal (red and green). Green - ab75994 observed at 75 kDa. Red - loading control **ab8245** (Mouse anti-GAPDH antibody [6C5]) observed at 37 kDa.

ab75994 was shown to react with Calpain 2 in wild-type HEK-293T cells in Western blot with loss of signal observed in CAPN2 knockout cell line **ab266628** (CAPN2 knockout cell lysate **ab257379**). Wild-type HEK-293T and CAPN2 knockout cell lysates were subjected to SDS-PAGE. Membranes were blocked in 3 % milk in TBS-T (0.1 % Tween®) before incubation with ab75994 and **ab8245** (Mouse anti-GAPDH antibody [6C5]) overnight at 4°C at a 1 in 2000 dilution and a 1 in 20000 dilution respectively. Blots were incubated with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 h at room temperature before imaging.



Flow Cytometry (Intracellular) - Anti-Calpain 2
antibody [EPR2562Y] (ab75994)

Intracellular flow cytometric analysis of permeabilized HeLa cells using ab75994 (red) or a rabbit IgG (negative) (green).



Anti-Calpain 2 antibody [EPR2562Y] (ab75994) at 1/500 dilution +
HeLa cell lysate at 10 µg

Secondary

HRP labelled goat anti-rabbit at 1/2000 dilution

Observed band size: 75 kDa

Western blot - Anti-Calpain 2 antibody [EPR2562Y]
(ab75994)

Why choose a recombinant antibody?



**Research with
confidence**
Consistent and
reproducible results



**Long-term and
scalable supply**
Recombinant
technology



**Success from the
first experiment**
Confirmed
specificity



**Ethical standards
compliant**
Animal-free
production

Anti-Calpain 2 antibody [EPR2562Y] (ab75994)

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