

### Anti-Mark3 antibody [EPR633Y] ab52626

KO 評価済 リコンビナント RabMAb

★★★★★ [1 Abreviews](#) [2 References](#) [画像数 9](#)

#### 製品の概要

製品名	Anti-Mark3 antibody [EPR633Y]
製品の詳細	Rabbit monoclonal [EPR633Y] to Mark3
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, IP, Flow Cyt (Intra), ICC/IF <b>適用なし:</b> IHC-P
種交差性	<b>交差種:</b> Mouse, Human
免疫原	Synthetic peptide within Human Mark3 aa 600-700 (C terminal). The exact sequence is proprietary.
ポジティブ・コントロール	WB: HeLa, K562 and NIH/3T3 cell lysate. ICC/IF: MCF-7 cells. Flow Cyt (intra): HeLa cells. IP: K562 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"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <p>Rat: We have preliminary internal testing data to indicate this antibody may not react with this 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 +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified

ポリ/モノ	モノクローナル
クローン名	EPR633Y
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ab52626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検討ください。

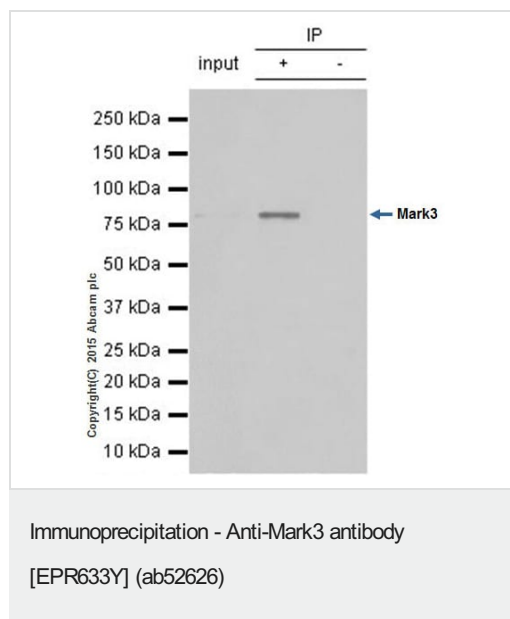
アプリケーション	Abreviews	特記事項
WB		1/1000 - 1/2000. Detects a band of approximately 86 kDa.
IP	★★★★★ (1)	1/20 - 1/60.
Flow Cyt (Intra)		1/30 - 1/1000. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
ICC/IF		1/50 - 1/100.

追加情報      Is unsuitable for IHC-P.

ターゲット情報

機能	Involved in the specific phosphorylation of microtubule-associated proteins for tau, MAP2 and MAP4. Phosphorylates CDC25C on 'Ser-216'.
組織特異性	Ubiquitous.
配列類似性	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. MARK subfamily. Contains 1 KA1 (kinase-associated) domain. Contains 1 protein kinase domain. Contains 1 UBA domain.

画像



ab52626 (purified) at a dilution of 1/20 immunoprecipitating Mark3 in K562 whole cell lysate.

Lane 1 (input): K562 whole cell lysate (10µg)

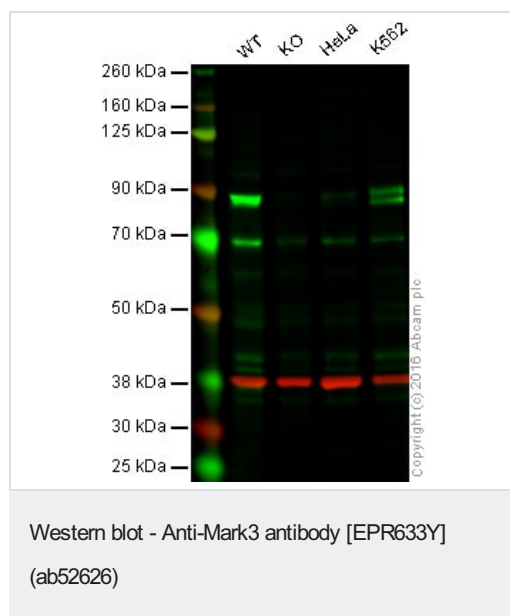
Lane 2 (+): ab52626 + K562 whole cell lysate.

Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab52626 in K562 whole cell lysate.

For western blotting, **ab131366** VeriBlot for IP (HRP) was used for detection (1/1000).

Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.



**Lane 1:** Wild-type HAP1 cell lysate (40 µg)

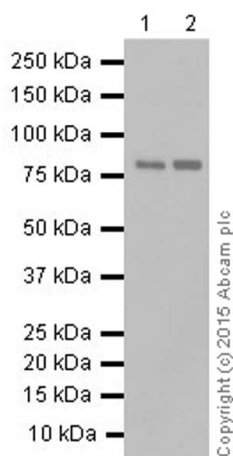
**Lane 2:** MARK3 knockout HAP1 cell lysate (40 µg)

**Lane 3:** HeLa cell lysate (20 µg)

**Lane 4:** K562 cell lysate (20 µg)

**Lanes 1 - 4:** Merged signal (red and green). Green - ab52626 observed at 85 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

ab52626 was shown to recognize Mark3 when Mark3 knockout samples were used, along with additional cross-reactive bands. Wild-type and Mark3 knockout samples were subjected to SDS-PAGE. Ab52626 and **ab8245** (loading control to GAPDH) were diluted at 1/1000 and 1:10,000 dilution respectively and incubated overnight at 4C. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1:10,000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-Mark3 antibody [EPR633Y]  
(ab52626)

**All lanes :** Anti-Mark3 antibody [EPR633Y] (ab52626) at 1/2000 dilution (purified)

**Lane 1 :** K562 whole cell lysate

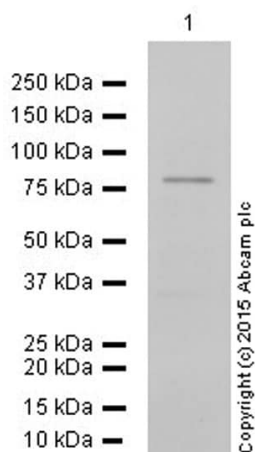
**Lane 2 :** HeLa whole cell lysate

Lysates/proteins at 20 µg per lane.

### Secondary

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

**Observed band size:** 86 kDa



Western blot - Anti-Mark3 antibody [EPR633Y]  
(ab52626)

Blocking and dilution buffer: 5% NFDM/TBST

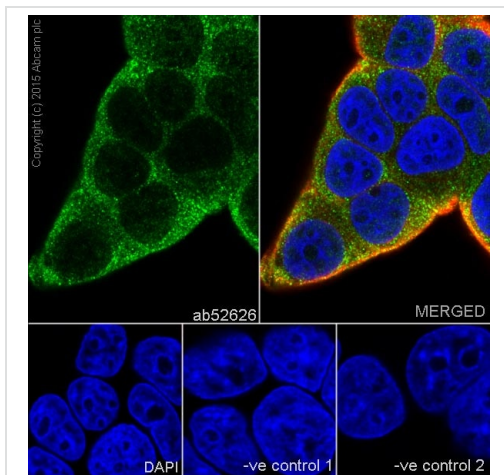
Anti-Mark3 antibody [EPR633Y] (ab52626) at 10 µg (purified) +  
NIH/3T3 whole cell lysate at 10 µg

### Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

**Observed band size:** 86 kDa

Blocking and dilution buffer: 5% NFDM/TBST

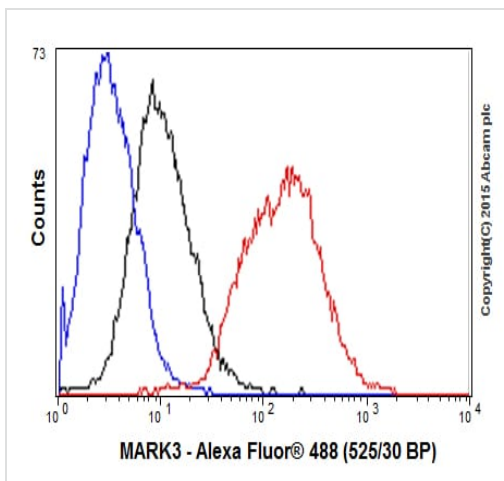


Immunocytochemistry/ Immunofluorescence - Anti-Mark3 antibody [EPR633Y] (ab52626)

Immunocytochemistry/Immunofluorescence analysis of MCF-7 cells labelling Mark3 with purified ab52626 at a dilution of 1/100. Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. **ab150077**, an Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/1000) was used as the secondary antibody. DAPI (blue) was used as the nuclear counterstain. **ab7291**, a mouse anti-tubulin (1/1000) and **ab150120**, an Alexa Fluor® 594-conjugated goat anti-mouse IgG (1/1000) were also used.

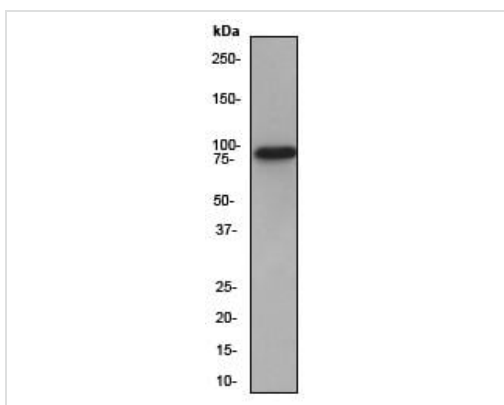
Control 1: primary antibody (1/100) and secondary antibody, **ab150120**, an Alexa Fluor® 594-conjugated goat anti-mouse IgG (1/1000).

Control 2: **ab7291** (1/1000) and secondary antibody, **ab150077**, an Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/1000).



Flow Cytometry (Intracellular) - Anti-Mark3 antibody [EPR633Y] (ab52626)

Intracellular Flow Cytometry analysis of HeLa cells labelling Mark3 with purified ab52626 at a dilution of 1/50 (red). Cells were fixed with 4% paraformaldehyde. An Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/500) was used as the secondary antibody. Black - Isotype control, rabbit monoclonal IgG. Blue - Unlabelled control, cells without incubation with primary and secondary antibodies.



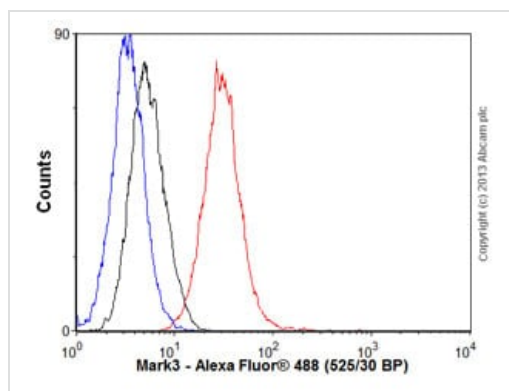
Western blot - Anti-Mark3 antibody [EPR633Y] (ab52626)

Anti-Mark3 antibody [EPR633Y] (ab52626) at 1/2000 dilution (unpurified) + HeLa cell lysate at 10 µg

### Secondary

HRP-conjugated goat anti-rabbit IgG at 1/2000 dilution

**Observed band size:** 86 kDa



Flow Cytometry (Intracellular) - Anti-Mark3 antibody  
[EPR633Y] (ab52626)

Overlay histogram showing HeLa cells stained with unpurified ab52626 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (unpurified ab52626, 1/1000 dilution) for 30 min at 22°C. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) ([ab150077](#)) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (1µg/1x10<sup>6</sup> cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.

#### 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-Mark3 antibody [EPR633Y] (ab52626)

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