


### Anti-MSK1 (phospho S376) antibody [E375] ab32190

リコンビナント **RabMAb**

★★★★★ **10 Abreviews** **4 References** 画像数 6

#### 製品の概要

製品名	Anti-MSK1 (phospho S376) antibody [E375]
製品の詳細	Rabbit monoclonal [E375] to MSK1 (phospho S376)
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, IHC-P, ICC/IF <b>適用なし:</b> Flow Cyt
種交差性	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Rat 
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	WB: K562 cell lysate. IHC-P Human urinary bladder carcinoma. ICC/IF: HepG2 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>Mouse: 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: 49% PBS, 50% 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	E375
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ab32190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。

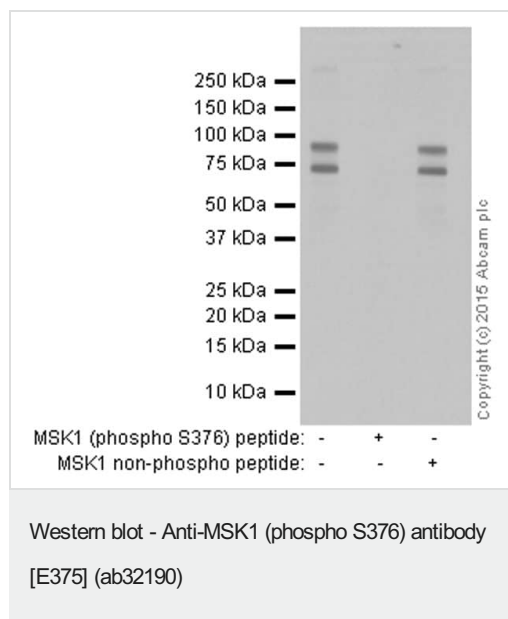
アプリケーション	Abreviews	特記事項
WB	★★★★★ (1)	1/1000 - 1/5000. Detects a band of approximately 87 kDa (predicted molecular weight: 90 kDa).
IHC-P	★★★★★ (5)	Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF	★★★★★ (1)	1/500.

**追加情報** Is unsuitable for Flow Cyt.

## ターゲット情報

<b>機能</b>	Serine/threonine kinase required for the mitogen or stress-induced phosphorylation of the transcription factors CREB (cAMP response element-binding protein) and ATF1 (activating transcription factor-1). Essential role in the control of RELA transcriptional activity in response to TNF. Directly represses transcription via phosphorylation of 'Ser-1' of histone H2A. Phosphorylates 'Ser-10' of histone H3 in response to mitogenics, stress stimuli and epidermal growth-factor (EGF), which results in the transcriptional activation of several immediate early genes, including proto-oncogenes c-fos/FOS and c-jun/JUN. May also phosphorylate 'Ser-28' of histone H3. Mediates the mitogen- and stress-induced phosphorylation of high mobility group protein 14 (HMG-14).
<b>組織特異性</b>	Widely expressed with high levels in heart, brain and placenta. Less abundant in lung, kidney and liver.
<b>配列類似性</b>	Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. S6 kinase subfamily. Contains 1 AGC-kinase C-terminal domain. Contains 2 protein kinase domains.
<b>翻訳後修飾</b>	Ser-376 and Thr-581 phosphorylation is required for kinase activity. Ser-376 and Ser-212 are autophosphorylated by the C-terminal kinase domain, and their phosphorylation is essential for the catalytic activity of the N-terminal kinase domain.
<b>細胞内局在</b>	Nucleus. Cytoplasm. Predominantly nuclear. Partially cytoplasmic.

## 画像



**All lanes :** Anti-MSK1 (phospho S376) antibody [E375] (ab32190) at 1/2000 dilution

**Lane 1 :** HEK293 (human embryonic kidney) cells were treated with Epidermal growth factor whole cell lysates

**Lane 2 :** HEK293 (human embryonic kidney) cells were treated with Epidermal growth factor whole cell lysates with MSK1 (phospho S376) peptide

**Lane 3 :** HEK293 (human embryonic kidney) cells were treated with Epidermal growth factor whole cell lysates with MSK1 non-phospho peptide

Lysates/proteins at 10 µg per lane.

## Secondary

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

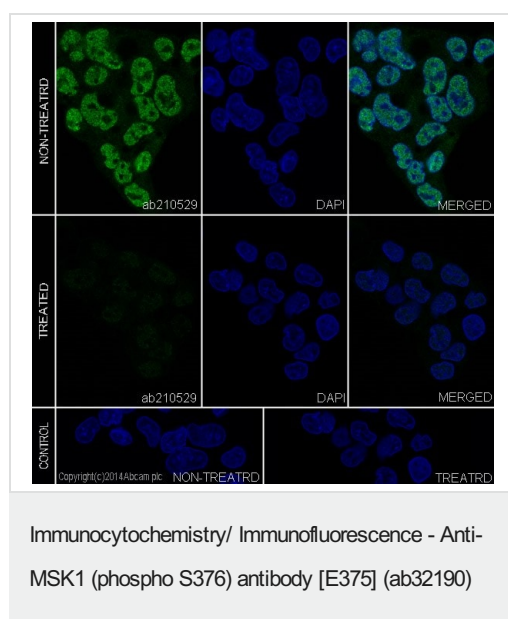
**Predicted band size:** 90 kDa

**Exposure time:** 10 seconds

Blocking/Diluting buffer: 5% NFDM/TBST

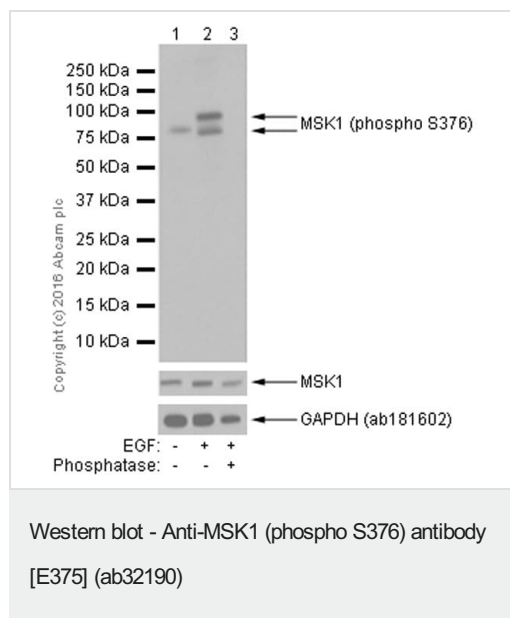
**Observed band:** 90, 80 kDa.

The 80 kDa band may represent isoform 2 or isoform 3 of MSK1.



Immunocytochemistry analysis of HepG2 (human hepatocellular carcinoma epithelial cell) cells labeling MSK1 (phospho S376) with ab32190 at 1/500 (4 µg/mL). Cells were fixed with 4% Paraformaldehyde and permeabilised with 0.1% tritonX-100. **ab150077** AlexaFluor®488 Goat anti-Rabbit at 1/1000 (2 µg/mL) was used as the secondary antibody. DAPI (blue) was used as Nuclear counterstain.

Confocal image showing decreased nuclear staining in HepG2 cells treated with Alkaline Phosphatase (37°C 1h).



**All lanes :** Anti-MSK1 (phospho S376) antibody [E375] (ab32190) at 1/2000 dilution

**Lane 1 :** Untreated HEK293 (human embryonic kidney) whole cell lysate

**Lane 2 :** HEK293 (human embryonic kidney) cells were treated with Epidermal growth factor (EGF) whole cell lysate

**Lane 3 :** HEK293 (human embryonic kidney) cells were treated with Epidermal growth factor (EGF) whole cell lysate. Then the membrane was incubated with Alkaline phosphatase.

Lysates/proteins at 10 µg per lane.

## Secondary

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

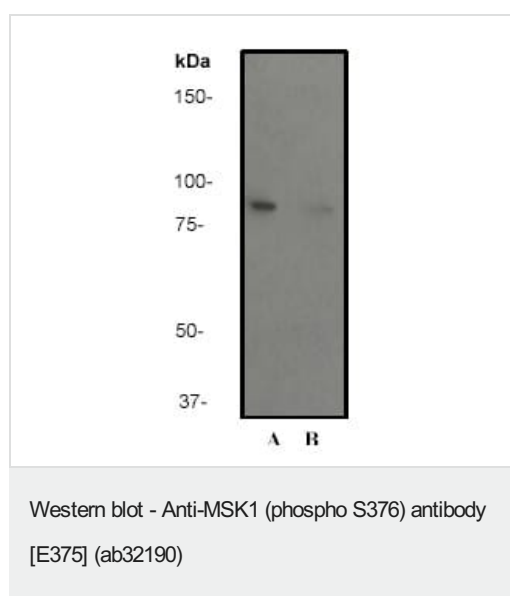
**Predicted band size:** 90 kDa

**Exposure time:** 5 seconds

Blocking/Diluting buffer 5% NFDM/TBST.

**Observed band:** 90, 80 kDa.

The 80 kDa band may represent isoform 2 or isoform 3 of MSK1.



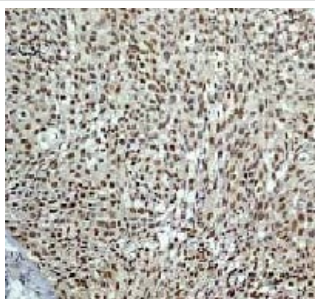
**All lanes :** Anti-MSK1 (phospho S376) antibody [E375] (ab32190) at 1/5000 dilution

**Lane 1 :** Untreated K562 cell lysate

**Lane 2 :** K562 cell lysate treated with Alkaline

**Predicted band size:** 90 kDa

**Observed band size:** 87 kDa



Ab32190, at a dilution of 1/50, staining MSK1 in paraffin embedded human urinary bladder carcinoma tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MSK1 (phospho S376) antibody [E375] (ab32190)

### 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-MSK1 (phospho S376) antibody [E375] (ab32190)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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