


# Anti-MEK3 (phospho S189/T193) + MEK6 (phospho S207/T211) antibody ab4759

画像数 2

### 製品の概要

製品名	Anti-MEK3 (phospho S189/T193) + MEK6 (phospho S207/T211) antibody
製品の詳細	Rabbit polyclonal to MEK3 (phospho S189/T193) + MEK6 (phospho S207/T211)
由来種	Rabbit
特異性	This antibody reacts with MEK 3 and MEK 6 (93% homologous). This antibody shows some cross-reactivity with MEK 4 when tested in a system with high MEK 4 expression levels. It does not react with any other MEK isoforms.
アプリケーション	<b>適用あり:</b> WB
種交差性	<b>交差種:</b> Human <b>交差が予測される動物種:</b> a wide range of other species 
免疫原	Synthetic peptide corresponding to Human MEK3 (phospho S189/T193) + MEK6 (phospho S207/T211).
ポジティブ・コントロール	Mal-E-tagged fusion protein expressing MEK 6, left inactivated or activated by adding MEKK, Anisomycin treated A549 cell line
特記事項	<p>Mitogen Activated Protein Kinase Kinases 3 and 6 (MEK 3/6 or MKK 3/6) are 42 kDa members of a tyrosine/threonine protein kinase family that activate p38, which is part of the inflammation/stress signaling pathway. Phosphorylation of MEK3 and 6 by MEKK1 on serine 189 and threonine 193 (serine 207 and threonine 211 for MEK6) in the catalytic domain activates the proteins and enables them to phosphorylate p38.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw

	cycles.
バッファー	pH: 7.30 Preservative: 0.05% Sodium azide Constituents: PBS, 0.1% BSA
	BSA is IgG and protease free
精製度	Immunogen affinity purified
特記事項(精製)	Purified from rabbit serum by sequential epitope-specific chromatography. The antibody has been negatively preadsorbed using a non-phosphopeptide corresponding to the site of phosphorylation to remove antibody that is reactive with non-phosphorylated MEK 3. The final product is generated by affinity chromatography using a MEK 3 derived peptide that is phosphorylated at serine 189 and threonine 193.
一次抗体 備考	Mitogen Activated Protein Kinase Kinases 3 and 6 (MEK 3/6 or MKK 3/6) are 42 kDa members of a tyrosine/threonine protein kinase family that activate p38, which is part of the inflammation/stress signaling pathway. Phosphorylation of MEK3 and 6 by MEKK1 on serine 189 and threonine 193 (serine 207 and threonine 211 for MEK6) in the catalytic domain activates the proteins and enables them to phosphorylate p38.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

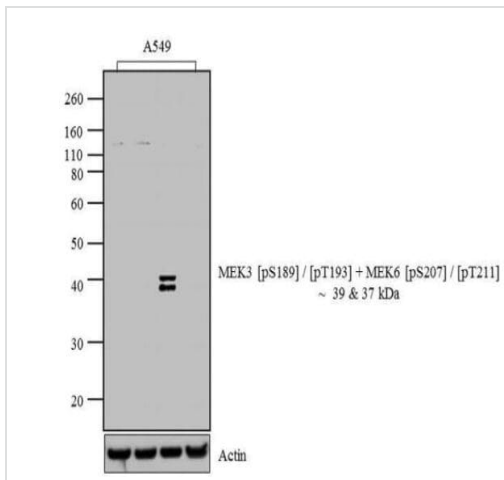
## アプリケーション

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 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		1/500 - 1/2000. Predicted molecular weight: 39.3 kDa.

## ターゲット情報

## 画像



Western blot - Anti-MEK3 (phospho S189/T193) +  
MEK6 (phospho S207/T211) antibody (ab4759)

**All lanes :** Anti-MEK3 (phospho S189/T193) + MEK6 (phospho S207/T211) antibody (ab4759) at 1/2000 dilution

**Lane 1 :** A549 whole cell extract

**Lane 2 :** A549 treated for 20 minutes with 200 nM of PMA

**Lane 3 :** A549 treated for 30 minutes with 25 µg/mL of Anisomycin

**Lane 4 :** A549 treated for 40 minutes with UV

Lysates/proteins at 20 µg per lane.

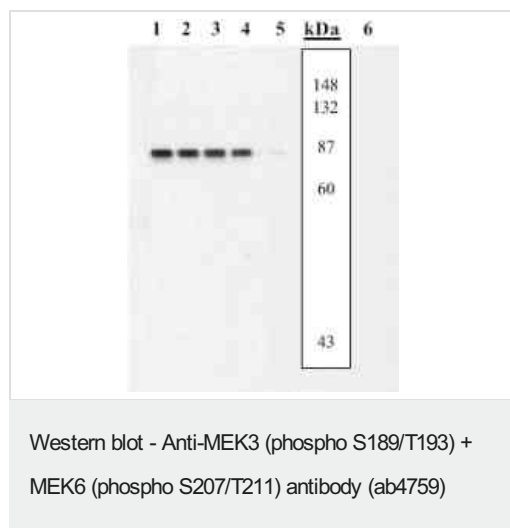
#### Secondary

**All lanes :** Goat anti-Rabbit IgG (H+L) Secondary Antibody, HRP conjugate at 1/2500 dilution

**Predicted band size:** 39.3 kDa

**Observed band size:** 39, 37 kDa

Two bands ~ 37 and 39 kDa corresponding to MEK3 (pS189/pT193) + MEK6 (pS207/pT211) was observed in Anisomycin treated cell line tested



Peptide Competition: Extracts prepared from background extracts with Mal-E tagged fusion protein expressing MEK 6 left inactivated (6) or with MEKK added for activation (1-5) were resolved by SDS-PAGE on a 10% polyacrylamide gel and transferred to PVDF. Membranes were blocked with a 5% BSA-TBST buffer overnight at 4°C, then were incubated with 0.50 µg/mL ab4759 antibody for two hours at room temperature in a 3% BSA-TBST buffer, following prior incubation with: no peptide (1, 6), the non-phosphopeptide corresponding to the phosphopeptide immunogen (2), a generic phosphoserine-containing peptide (3), a generic phosphothreonine-containing peptide (4), or the phosphopeptide immunogen (5). After washing, the membrane was incubated with goat F(ab')<sub>2</sub> anti-rabbit IgG alkaline phosphatase and signals were detected. The data show that only the phosphopeptide corresponding to MEK3/6 [pSpT189/193]/[pSpT207/211] blocks the antibody signal, demonstrating the specificity of the antibody. Please note that the Mal-E-tagged fusion protein expressing MEK6 runs at ~81 kDa.

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

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