




Anti-SMAD1/3/5 (phospho S423 + S425) antibody ab51451

★★★★★ [15 Abreviews](#) [52 References](#) [3 图像](#)

概述

产品名称	Anti-SMAD1/3/5 (phospho S423 + S425)抗体
描述	兔多克隆抗体to SMAD1/3/5 (phospho S423 + S425)
宿主	Rabbit
特异性	ab51451 is specific for the phosphorylated form of the protein although minimal reactivity with nonphosphorylated human Smad3 can be observed by ELISA and WB. ab51451 also reacts with phosphorylated Smad1 and Smad5 but negligible reactivity is seen against other phosphorylated Smad family members.
经测试应用	适用于: IHC-P, WB
种属反应性	与反应: Mouse, Human 预测可用于: Rat, Cow, Pig, Xenopus laevis, Zebrafish 
免疫原	Synthetic peptide corresponding to Human SMAD1/3/5 aa 400-500 (phospho S423 + S425). Database link: P84022  Run BLAST with  Run BLAST with
阳性对照	WB: HEK293, HeLa, MCF-7, Jurkat, A431, A549, LNCap, MOLT-4, Ramos, Raji, A-172, NIH/3T3 Lysate; MEF lysate; Hep3B lysat.
常规说明	<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&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: 0.01% Sodium azide Constituents: 0.33% Potassium phosphate, 0.87% Sodium chloride
纯度	Immunogen affinity purified

纯化说明

ab51451 was affinity purified from monospecific antiserum by immunoaffinity purification. Antiserum was first purified against the phosphorylated form of the immunizing peptide. The resultant affinity purified antibody was then cross adsorbed against the non-phosphorylated form of the immunizing peptide.

克隆

多克隆

同种型

IgG

应用

The Abpromise guarantee

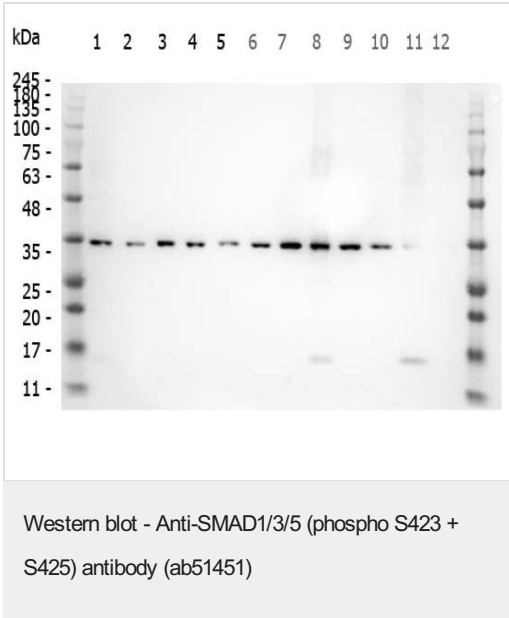
Abpromise™承诺保证使用ab51451于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P	★★★★★ (6)	Use at an assay dependent concentration.
WB	★★★★★ (3)	1/2000 - 1/20000. Predicted molecular weight: 48 kDa. Stimulation with 2 ng/ml TGF-beta for 1 hour is suggested.

靶标

图片



All lanes : Anti-SMAD1/3/5 (phospho S423 + S425) antibody (ab51451) at 1 µg/ml

- Lane 1 : HEK293 lysate
- Lane 2 : HeLa Lysate
- Lane 3 : MCF-7 Lysate
- Lane 4 : Jurkat Lysate
- Lane 5 : A431 Lysate
- Lane 6 : A549 Lysate
- Lane 7 : LNCap Lysate
- Lane 8 : MOLT-4 Lysate
- Lane 9 : Ramos Lysate
- Lane 10 : Raji Lysate
- Lane 11 : A-172 Lysate
- Lane 12 : NIH/3T3 Lysate

Lysates/proteins at 10 µg per lane.

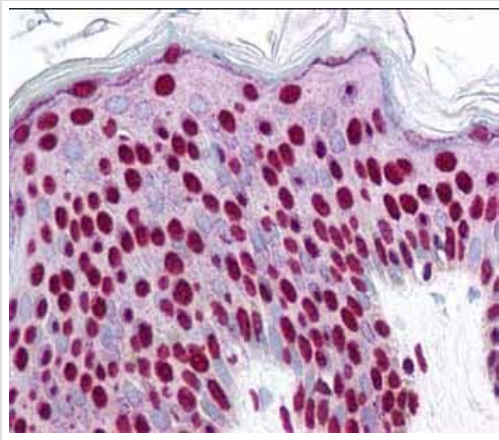
Secondary

Lanes 1-2 & 4-12 : Peroxidase rabbit secondary antibody at

1/30000 dilution

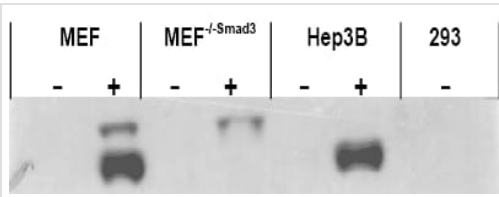
Lane 3 : Peroxidase rabbit secondary antibody

Predicted band size: 48 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SMAD1/3/5 (phospho S423 + S425) antibody (ab51451)

ab51451 at 2.5 µg/ml staining epidermal keratinocytes at 40X. This image shows strong nuclear staining with localization of the antibody as the precipitated red signal and a hematoxylin purple nuclear counterstain.



Western blot - Anti-SMAD1/3/5 (phospho S423 + S425) antibody (ab51451)

All lanes : Anti-SMAD1/3/5 (phospho S423 + S425) antibody (ab51451) at 1/2000 dilution

Lane 1 : MEF lysate (control)

Lane 2 : MEF lysate, after stimulation with 2 ng/ml of TGF-β for 1 hour

Lane 3 : MEF^{-/-Smad3} lysate (control)

Lane 4 : MEF^{-/-Smad3} lysate, after stimulation with 2 ng/ml of TGF-β for one hour

Lane 5 : Hep3B lysate (control)

Lane 6 : Hep3B lysate, after stimulation with 2 ng/ml of TGF-β for one hour

Lane 7 : HEK 293 lysate (control)

Predicted band size: 48 kDa

Image courtesy of Ying Zhang, NIH, CCR, Bethesda, MD.

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