

Anti-SMAD1 + SMAD5 + SMAD9 (phospho S463 + S465 + S467) antibody [MMC-1-104-3] ab92698

重组 RabMAb

★★★★★ **2** Abreviews **42** References 13 图像

概述

产品名称	Anti-SMAD1 + SMAD5 + SMAD9 (phospho S463 + S465 + S467)抗体[MMC-1-104-3]
描述	兔单克隆抗体[MMC-1-104-3] to Smad1 (phospho S463 + S465) + SMAD5 (phospho S463 + S465) + SMAD9 (phospho S465 + S467)
宿主	Rabbit
特异性	<p>This antibody may cross-react with Smad1 Phospho (pS463/465) and Smad9 Phospho (pS465/467).</p> <p>Stimulation may be required to allow detection of the phosphorylated protein. Please see images below for recommended treatment conditions and positive controls.</p>
经测试应用	<p>适用于: Dot blot, WB, IHC-P</p> <p>不适用于: Flow Cyt or ICC/IF</p>
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: HeLa cell lysate treated with BMP-4. IHC-P: Human breast carcinoma, colonic carcinoma, tonsil, hepatocellular carcinoma, cervical carcinoma and glioma tissues.
常规说明	<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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C.

存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	MMC-1-104-3
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab92698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。

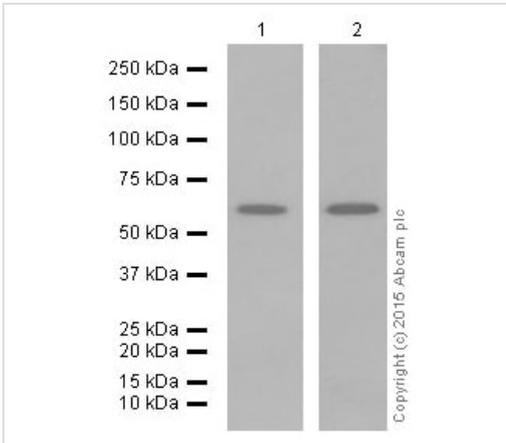
应用	Ab评论	说明
Dot blot		1/1000.
WB	★★★★★ (1)	1/1000 - 1/10000. Predicted molecular weight: 52 kDa.
IHC-P		1/100 - 1/800. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See IHC antigen retrieval protocols .

应用说明 Is unsuitable for Flow Cyt or ICC/IF.

靶标

细胞定位 Smad1: Cytoplasm. Nucleus. Cytoplasmic in the absence of ligand. Migrates to the nucleus when complexed with SMAD4. Co-localizes with LEMD3 at the nucleus inner membrane. SMAD5: Cytoplasm. Nucleus. Cytoplasmic in the absence of ligand. Migrates to the nucleus when complexed with SMAD4. SMAD9: Cytoplasm. Nucleus. In the cytoplasm in the absence of ligand. Migration to the nucleus when complexed with SMAD4.

图片



Western blot - Anti-SMAD1 + SMAD5 + SMAD9 (phospho S463 + S465 + S467) antibody [MMC-1-104-3] (ab92698)

All lanes : Anti-SMAD1 + SMAD5 + SMAD9 (phospho S463 + S465 + S467) antibody [MMC-1-104-3] (ab92698) at 1/5000 dilution (purified)

Lane 1 : Mouse brain tissue lysate

Lane 2 : Rat brain tissue lysate

Lysates/proteins at 10 µg per lane.

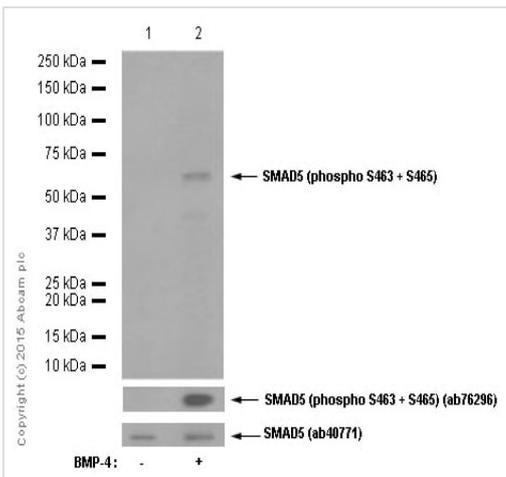
Secondary

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

Predicted band size: 52 kDa

Observed band size: 58 kDa

Blocking and dilution buffer: 5% NFDM /TBST.



Western blot - Anti-SMAD1 + SMAD5 + SMAD9 (phospho S463 + S465 + S467) antibody [MMC-1-104-3] (ab92698)

All lanes : Anti-SMAD1 + SMAD5 + SMAD9 (phospho S463 + S465 + S467) antibody [MMC-1-104-3] (ab92698) at 1/10000 dilution (purified)

Lane 1 : HeLa whole cell lysate - untreated

Lane 2 : HeLa whole cell lysate - treated with Bone Morphogenetic protein-4

Lysates/proteins at 10 µg per lane.

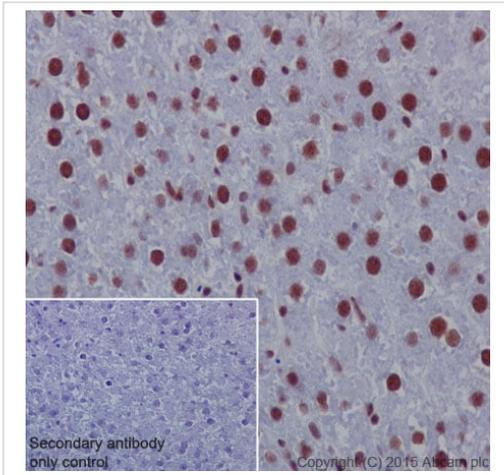
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/10000 dilution

Predicted band size: 52 kDa

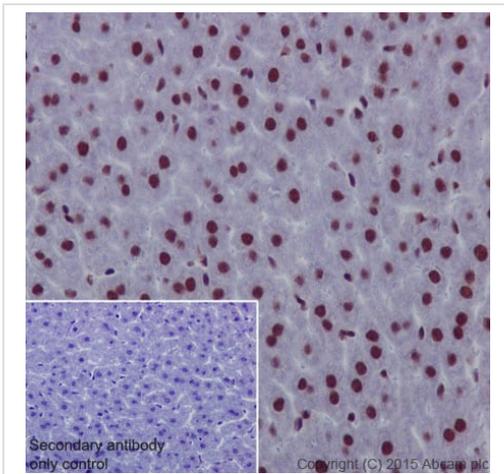
Observed band size: 58 kDa

Blocking and dilution buffer: 5% NFDM /TBST.



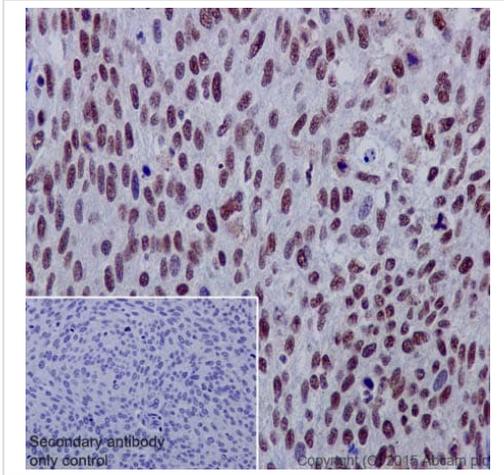
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat liver tissue labelling SMAD5 (phospho S463 + S465) with purified ab92698 at a dilution of 1/800. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. [ab97051](#), a HRP-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/500). Negative control using PBS instead of primary antibody. Counterstained with hematoxylin.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SMAD1 + SMAD5 + SMAD9 (phospho S463 + S465 + S467) antibody [MMC-1-104-3] (ab92698)



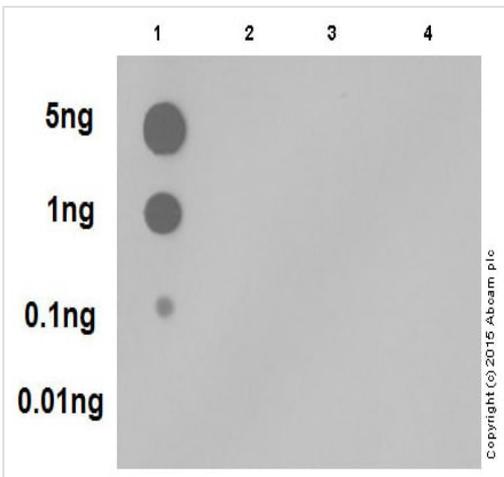
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse liver tissue labelling SMAD5 (phospho S463 + S465) with purified ab92698 at a dilution of 1/800. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. [ab97051](#), a HRP-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/500). Negative control using PBS instead of primary antibody. Counterstained with hematoxylin.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SMAD1 + SMAD5 + SMAD9 (phospho S463 + S465 + S467) antibody [MMC-1-104-3] (ab92698)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human cervical carcinoma tissue labelling SMAD5 (phospho S463 + S465) with purified ab92698 at a dilution of 1/800. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. **ab97051**, a HRP-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/500). Negative control using PBS instead of primary antibody. Counterstained with hematoxylin.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SMAD1 + SMAD5 + SMAD9 (phospho S463 + S465 + S467) antibody [MMC-1-104-3] (ab92698)

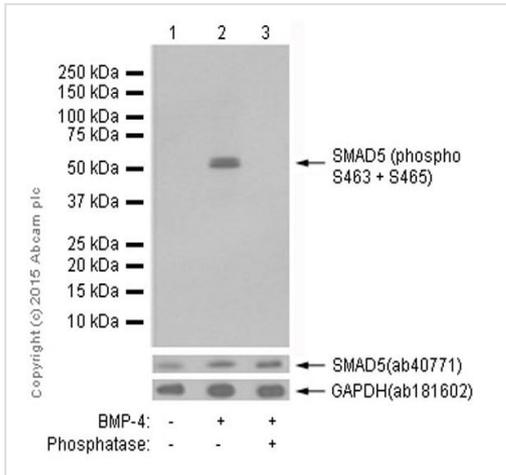


Dot blot analysis of SMAD5 (pS463 + pS465) peptide (Lane 1), SMAD5 (pS465) peptide (Lane 2), SMAD5 (pS463) peptide (Lane 3) and SMAD5 non-phospho peptide (Lane 4) labelling SMAD5 (pS465) with purified ab92698 at a dilution of 1/1000. **ab97051** (Peroxidase conjugated goat anti-rabbit IgG (H+L)) was used as the secondary antibody at a dilution of 1/100000.

Blocking and dilution buffer: 5% NFDm/TBST.

Exposure time: 3 minutes.

Dot Blot - Anti-SMAD1 + SMAD5 + SMAD9 (phospho S463 + S465 + S467) antibody [MMC-1-104-3] (ab92698)



Western blot - Anti-SMAD1 + SMAD5 + SMAD9 (phospho S463 + S465 + S467) antibody [MMC-1-104-3] (ab92698)

All lanes : Anti-SMAD1 + SMAD5 + SMAD9 (phospho S463 + S465 + S467) antibody [MMC-1-104-3] (ab92698) at 1/10000 dilution

Lane 1 : Untreated HeLa (human cervix adenocarcinoma) whole cell lysates 20µg

Lane 2 : HeLa (human cervix adenocarcinoma) treated with Bone Morphogenetic Protein-4 (BMP-4) whole cell lysates 20µg

Lane 3 : HeLa (human cervix adenocarcinoma) treated with Bone Morphogenetic Protein-4 (BMP-4) and phosphatase, whole cell lysates 20µg.

Secondary

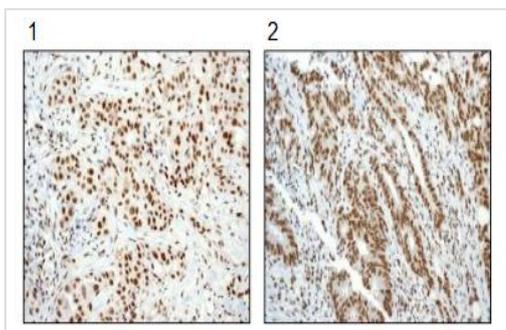
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 52 kDa

Observed band size: 58 kDa

Exposure time: 30 seconds

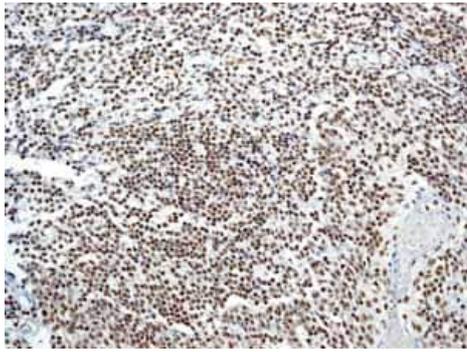
Blocking and dilution buffer: 5% NFDm/TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SMAD1 + SMAD5 + SMAD9 (phospho S463 + S465 + S467) antibody [MMC-1-104-3] (ab92698)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of (1) human breast carcinoma and (2) human colonic carcinoma tissues labelling SMAD5 (phospho S463 + P465) with unpurified ab92698 at a dilution of 1/100.

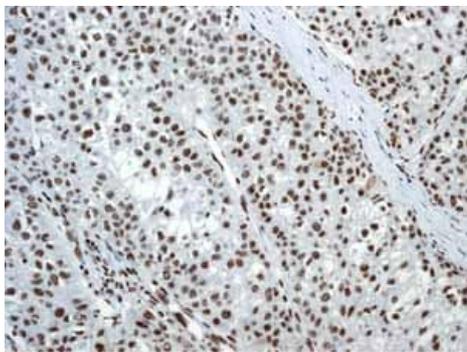
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SMAD1 + SMAD5 + SMAD9 (phospho S463 + S465 + S467) antibody [MMC-1-104-3] (ab92698)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of normal human tonsil tissue labelling SMAD5 (phospho S463 + S465) with unpurified ab92698.

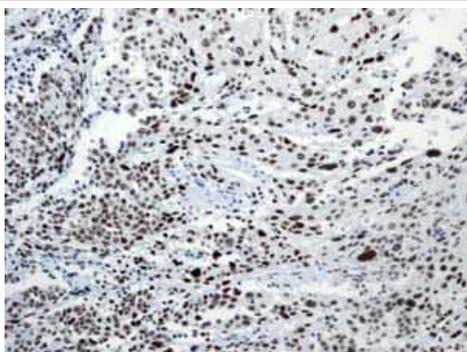
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SMAD1 + SMAD5 + SMAD9 (phospho S463 + S465 + S467) antibody [MMC-1-104-3] (ab92698)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human hepatocellular carcinoma tissue labelling SMAD5 (phospho S463 + S465) with unpurified ab92698.

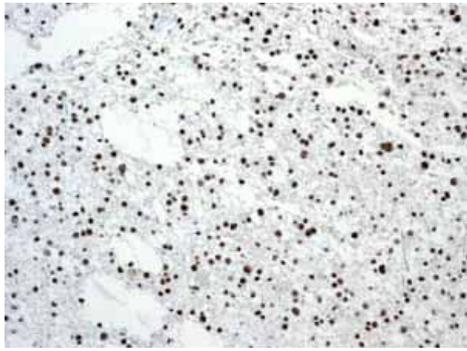
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SMAD1 + SMAD5 + SMAD9 (phospho S463 + S465 + S467) antibody [MMC-1-104-3] (ab92698)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human cervical carcinoma tissue labelling SMAD5 (phospho S463 + S465) with unpurified ab92698.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human glioma tissue labelling SMAD5 (phospho S463 + S465) with unpurified ab92698.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SMAD1 + SMAD5 + SMAD9 (phospho S463 + S465 + S467) antibody [MMC-1-104-3] (ab92698)

Why choose a recombinant antibody?



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Confirmed specificity



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Animal-free production

Anti-SMAD1 + SMAD5 + SMAD9 (phospho S463 + S465 + S467) antibody [MMC-1-104-3] (ab92698)

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