

Anti-SMAD1 + SMAD5 + SMAD9 (phospho S463 + S465 + S467) antibody [EP728(2)AY] ab76296

重组 RabMAb

★★★★★ [1 Abreviews](#) [5 References](#) [5 图像](#)

概述

| | |
|-------|--|
| 产品名称 | Anti-SMAD1 + SMAD5 + SMAD9 (phospho S463 + S465 + S467)抗体[EP728(2)AY] |
| 描述 | 兔单克隆抗体[EP728(2)AY] to Smad1 (phospho S463 + S465) + SMAD5 (phospho S463 + S465) + SMAD9 (phospho S465 + S467) |
| 宿主 | Rabbit |
| 特异性 | <p>Detects SMAD5 phosphorylated at Serine 463 and 465. This antibody may cross-react with Smad1 Phospho (pS463/465) and Smad9 Phospho (pS465/467).</p> <p><i>Stimulation may be required to allow detection of the phosphorylated protein. Please see images below for recommended treatment conditions and positive controls.</i></p> |
| 经测试应用 | <p>适用于: WB</p> <p>不适用于: Flow Cyt, ICC/IF, IHC-P or IP</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 | HeLa cytoplasmic or nuclear lysate treated with BMP-4 |
| 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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p> |

性能

| | |
|------|---|
| 形式 | Liquid |
| 存放说明 | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |

| | |
|------|---|
| 存储溶液 | pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant |
| 纯度 | Tissue culture supernatant |
| 克隆 | 单克隆 |
| 克隆编号 | EP728(2)AY |
| 同种型 | IgG |

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab76296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。

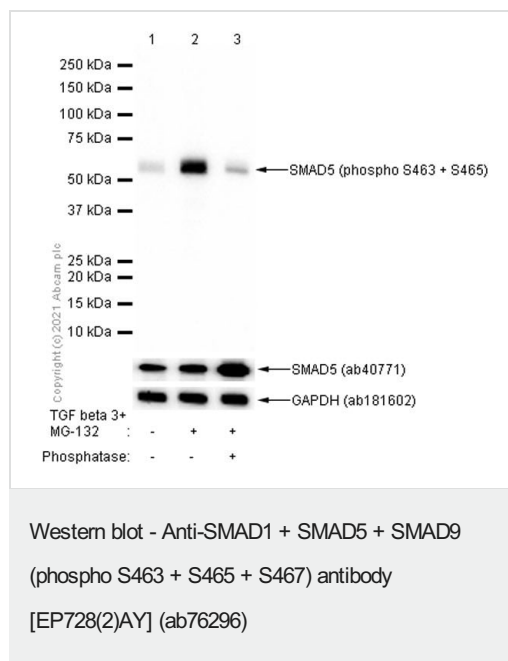
| 应用 | Ab评论 | 说明 |
|----|-----------|--|
| WB | ★★★★★ (1) | 1/500. Predicted molecular weight: 52 kDa. |

应用说明 Is unsuitable for Flow Cyt,ICC/IF,IHC-P or IP.

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



All lanes : Anti-SMAD1 + SMAD5 + SMAD9 (phospho S463 + S465 + S467) antibody [EP728(2)AY] (ab76296) at 1/1000 dilution

Lane 1 : Untreated C6 (Rat glial tumor glial cell) whole cell lysate with NFDm/TBST

Lane 2 : C6 treated with 10ng/ml TGF beta 3 and 50μM MG-132 for 30 min whole cell lysate with NFDm/TBST

Lane 3 : C6 treated with 10ng/ml TGF beta 3 and 50μM MG-132 for 30 min whole cell lysate, then the membrane treated with Alkaline Phosphatase for 1 hour with NFDm/TBST

Lysates/proteins at 15 μg per lane.

Blocking peptides at 5 % per lane.

Secondary

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

Predicted band size: 52 kDa

Exposure time: 7 seconds

All lanes : Anti-SMAD1 + SMAD5 + SMAD9 (phospho S463 + S465 + S467) antibody [EP728(2)AY] (ab76296) at 1/1000 dilution

Lane 1 : Untreated HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate with NFDm/TBST

Lane 2 : HeLa treated with 20ng/ml TGF beta 1 for 15 min whole cell lysate with NFDm/TBST

Lane 3 : HeLa treated with 20ng/ml TGF beta 1 for 15 min whole cell lysate, then the membrane treated with Alkaline Phosphatase for 1 hour with NFDm/TBST

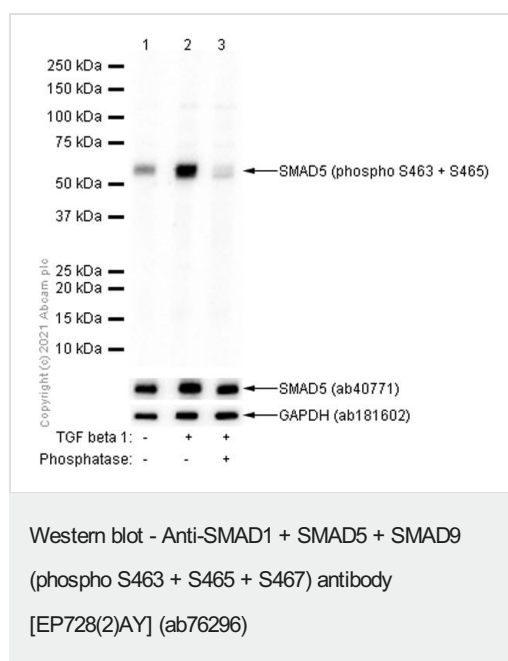
Lysates/proteins at 15 μg per lane.

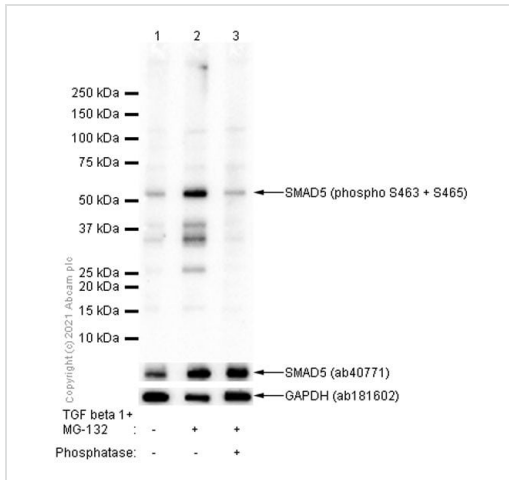
Blocking peptides at 5 % per lane.

Secondary

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

Predicted band size: 52 kDa





Western blot - Anti-SMAD1 + SMAD5 + SMAD9
(phospho S463 + S465 + S467) antibody
[EP728(2)AY] (ab76296)

Exposure time: 20 seconds

All lanes : Anti-SRGAP1 antibody ([ab76926](#)) at 1/1000 dilution

Lane 1 : Untreated NIH/3T3 (Mouse embryonic fibroblast) whole cell lysate

Lane 2 : NIH/3T3 treated with 20ng/ml TGF beta 1 and 50μM MG-132 for 15 min whole cell lysate

Lane 3 : NIH/3T3 treated with 20ng/ml TGF beta 1 and 50μM MG-132 for 15 min whole cell lysate, then the membrane treated with Alkaline Phosphatase for 1 hour

Lysates/proteins at 15 μg per lane.

Secondary

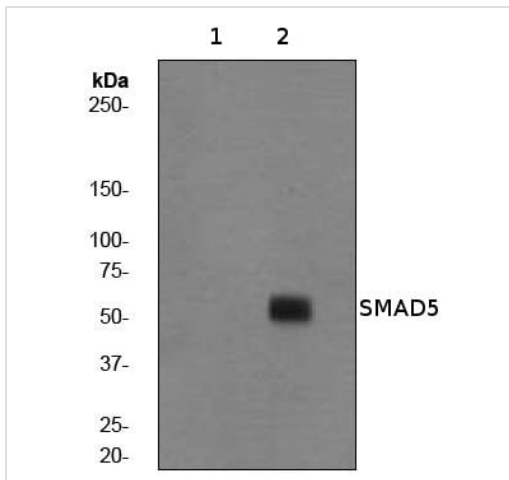
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated ([ab97051](#)) at 1/20000 dilution

Predicted band size: 52 kDa

Observed band size: 52 kDa

Exposure time: 100 seconds

Blocking and diluting buffer: 5% NFDM/TBST



Western blot - Anti-SMAD1 + SMAD5 + SMAD9
(phospho S463 + S465 + S467) antibody
[EP728(2)AY] (ab76296)

All lanes : Anti-SMAD1 + SMAD5 + SMAD9 (phospho S463 + S465 + S467) antibody [EP728(2)AY] (ab76296) at 1/500 dilution

Lane 1 : HeLa cell lysate - untreated

Lane 2 : HeLa cell lysate - treated with BMP-4

Lysates/proteins at 10 μg per lane.

Secondary

All lanes : goat anti-rabbit HRP at 1/2000 dilution

Predicted band size: 52 kDa

Observed band size: 52 kDa

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-SMAD1 (phospho S463+465)+ SMAD5
(phospho S463+465)+ SMAD9 (phospho
S465+S467) (ab76296)

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

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