

SMAD7 Rabbit pAb

Catalog Number: bs-0566R

Target Protein: SMAD7

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (1ug/Test), ICC/IF (1:100)

Reactivity: Human, Mouse, Rat (predicted:Pig, Cow)

Predicted MW: 46 kDa

Entrez Gene: 4092

Swiss Prot: O15105

Source: KLH conjugated synthetic peptide derived from human Smad7: 1-100/426.

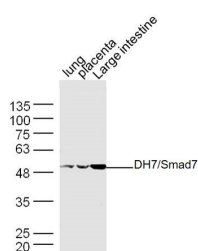
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

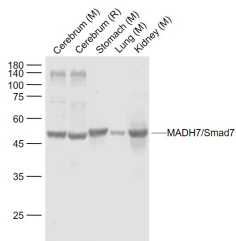
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The protein encoded by this gene is a nuclear protein that binds the E3 ubiquitin ligase SMURF2. Upon binding, this complex translocates to the cytoplasm, where it interacts with TGF-beta receptor type-1 (TGFB1), leading to the degradation of both the encoded protein and TGFB1. Expression of this gene is induced by TGFB1. Variations in this gene are a cause of susceptibility to colorectal cancer type 3 (CRCS3). Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]

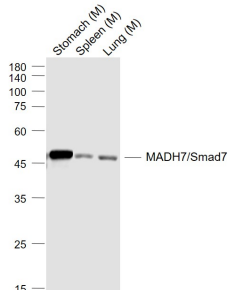
VALIDATION IMAGES



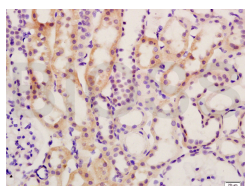
Sample: Lung(Mouse) Lysate at 30 ug Placenta(Mouse) Lysate at 30 ug Large intestine(Mouse) Lysate at 30 ug
Primary: Anti- MADH7/Smad7 (bs-0566R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 46 kD Observed band size: 50 kD



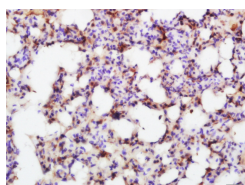
Sample: Lane 1: Cerebrum (Mouse) Lysate at 40 ug Lane 2: Cerebrum (Rat) Lysate at 40 ug Lane 3: Stomach (Mouse) Lysate at 40 ug Lane 4: Lung (Mouse) Lysate at 40 ug Lane 5: Kidney (Mouse) Lysate at 40 ug Primary: Anti-MADH7/Smad7 (bs-0566R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 50 kD Observed band size: 50 kD



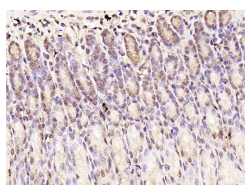
Sample: Lane 1: Stomach (Mouse) Lysate at 40 ug Lane 2: Spleen (Mouse) Lysate at 40 ug Lane 3: Lung (Mouse) Lysate at 40 ug Primary: Anti-MADH7/Smad7 (bs-0566R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 50 kD Observed band size: 50 kD



Tissue/cell: rat kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-Smad7/Smad6 Polyclonal Antibody, Unconjugated(bs-0071R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (rat lung); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Smad7) Polyclonal Antibody, Unconjugated (bs-0566R) at 1:600 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MADH7) Polyclonal Antibody, Unconjugated (bs-0566R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=5.893] Ying Wang. et al. Discovery of a novel short peptide with efficacy in accelerating the healing of skin wounds. Pharmacol Res. 2021 Jan;163:105296 WB ; Mouse . 33220421

[IF=4.784] Zheng Wu. et al. FOXD3 suppresses epithelial-mesenchymal transition through direct transcriptional promotion of SMAD7 in esophageal squamous cell carcinoma. 2021 Sep 22 WB ; human . 34551139

[IF=4.171] Yi Chen. et al. The essential oil from the raw and vinegar processed Rhizoma Curcumae ameliorate CCl4-incuded liver fibrosis: integrating network pharmacology and molecular mechanism evaluation. 2021 Mar 17 WB ; Rat . 33870974

[IF=4.101] Yu Guo. et al. RepSox effectively promotes the induced differentiation of sheep fibroblasts into adipocytes via the inhibition of the TGF- β 1/Smad pathway. Int J Mol Med. 2021 Aug;48(2):1-13 WB ; Sheep . 34132357

[IF=3.571] Zheng HX et al. Cyanidin-3-glucoside from Black Rice Ameliorates Diabetic Nephropathy via Reducing Blood Glucose, Suppressing Oxidative Stress and Inflammation, and Regulating Transforming Growth Factor β 1/Smad Expression. J Agric Food Chem. 2020 Apr 15;68(15):4399-4410. IHC ; Rat . 32192334