

[KO Validated] Smad3 Monoclonal Antibody

CAB19115

Description

This [KO Validated] Smad3 Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU: CAB19115

Contents: 20 µL, 100 µL
Bradford Reagent: 1 vial (2ml)

Category: Monoclonal Antibody

Synonyms: LDS3, mad3, LDS1C, MADH3, JV15-2, hMAD-3, hSMAD3, HSPC193, HsT17436, d3

Clone: ARC53861

Applications: **WB** | **IHC-P** | **IP** | **ChIP** | **ELISA**

Conjugation: Unconjugated

Reactivity: Human, Mouse, Rat

Antibody Data

Gene ID: 4088

Uniprot: AB_2862608

Host Species: Rabbit

Purification: Protein A

Observed MW: 52kDa

Calculated MW: 48kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

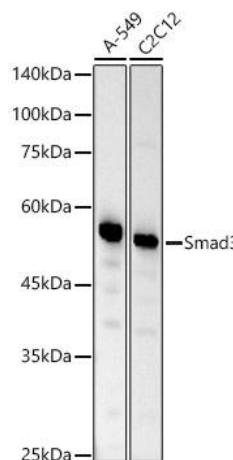
Positive Sample: HCT116, A-549, C2C12, Rat testis

Recommended Dilutions:

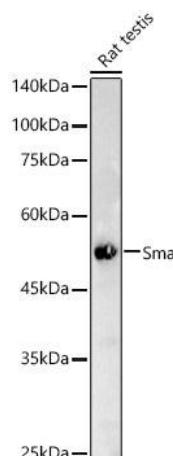
WB	1:10000 - 1:60000
IHC-P	1:200 - 1:2000
IP	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells ChIP 3µg antibody for 15µg-25µg of Chromatin
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

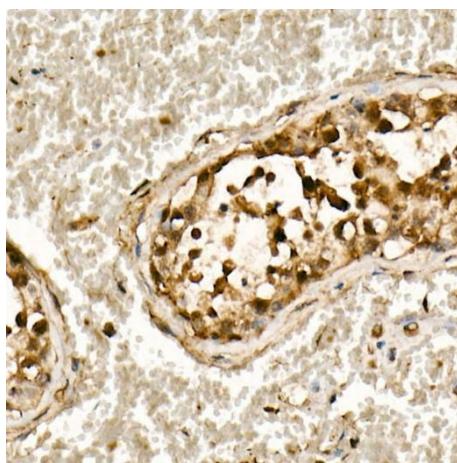
Validation Data



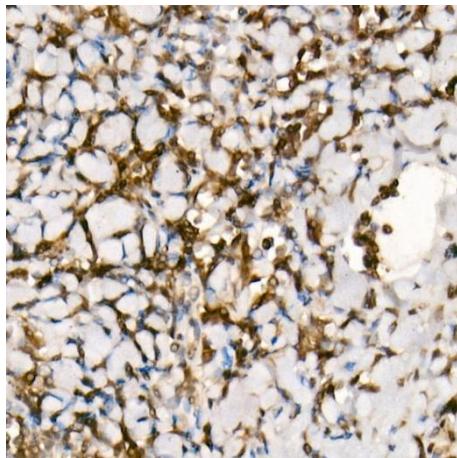
Western blot analysis of various lysates, using Smad3 Rabbit mAb (CAB19115) at 1:20000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 30s.



Western blot analysis of lysates from Rat testis, using Smad3 Rabbit mAb (CAB19115) at 1:20000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 30s.



Immunohistochemistry analysis of paraffin-embedded Human testis using [KO Validated] Smad3 Rabbit mAb (CAB19115) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human tonsil using [KO Validated] Smad3 Rabbit mAb (CAB19115) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.