

# Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

## Smad3 antibody [EP568Y]

RRID:AB\_777979

Type: Antibody

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### Proper Citation

Abcam Cat# ab40854, RRID:AB\_777979

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### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_777979](http://antibodyregistry.org/AB_777979)

**Proper Citation:** Abcam Cat# ab40854, RRID:AB\_777979

**Target Antigen:** Smad3

**Host Organism:** rabbit

**Clonality:** monoclonal

**Comments:** validation status unknown, seller recommendations provided in 2012: Immunocytochemistry; Immunohistochemistry; Immunoprecipitation; Western Blot; Immunocytochemistry, Immunohistochemistry-P, Immunoprecipitation, Western Blot

**Antibody Name:** Smad3 antibody [EP568Y]

**Description:** This monoclonal targets Smad3

**Target Organism:** rat, mouse, human

**Clone ID:** Clone EP568Y

**Antibody ID:** AB\_777979

**Vendor:** Abcam

**Catalog Number:** ab40854

**Record Creation Time:** 20250819T235858+0000

**Record Last Update:** 20250820T070102+0000

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### Ratings and Alerts

No rating or validation information has been found for Smad3 antibody [EP568Y].

No alerts have been found for Smad3 antibody [EP568Y].

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 20 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [NIF](#) .

Wang K, et al. (2025) Fibrogenesis-driven tumor progression in clear cell renal cell carcinoma: prognostic, therapeutic implications and the dual role of neuropilin-1. *Cancer cell international*, 25(1), 179.

Yang G, et al. (2025) HSPA8 dampens SCAP/INSIG split and SREBP activation by reducing PKR-mediated INSIG phosphorylation. *Cell reports*, 44(3), 115339.

Dufau J, et al. (2025) Nuclear hormone-sensitive lipase regulates adipose tissue mass and adipocyte metabolism. *Cell metabolism*, 37(11), 2250.

Zheng H, et al. (2024) PDGFR<sup>+</sup>ITGA11<sup>+</sup> fibroblasts foster early-stage cancer lymphovascular invasion and lymphatic metastasis via ITGA11-SELE interplay. *Cancer cell*.

Liang GQ, et al. (2024) Baicalein improves renal interstitial fibrosis by inhibiting the ferroptosis in vivo and in vitro. *Heliyon*, 10(7), e28954.

Mei S, et al. (2024) CircSMAD3 represses SMAD3 phosphorylation and ameliorates cardiac remodeling by recruiting YBX1. *iScience*, 27(7), 110200.

Vanhoutte D, et al. (2024) Thbs1 regulates skeletal muscle mass in a TGF $\beta$ -Smad2/3-ATF4-dependent manner. *Cell reports*, 43(5), 114149.

Yang S, et al. (2023) MicroRNA-92b as a negative regulator of the TGF- $\beta$  signaling by targeting the type I receptor. *iScience*, 26(11), 108131.

Zhu X, et al. (2023) Acetate controls endothelial-to-mesenchymal transition. *Cell metabolism*, 35(7), 1163.

Li X, et al. (2023) MYCT1 attenuates renal fibrosis and tubular injury in diabetic kidney disease. *iScience*, 26(9), 107609.

Zhang M, et al. (2023) *Fusobacterium nucleatum* promotes colorectal cancer metastasis by excretion of miR-122-5p from cells via exosomes. *iScience*, 26(9), 107686.

Koprulu M, et al. (2022) Identification of Rare Loss-of-Function Genetic Variation Regulating Body Fat Distribution. *The Journal of clinical endocrinology and metabolism*, 107(4), 1065.

Zhang L, et al. (2021) Creatine promotes cancer metastasis through activation of Smad2/3. *Cell metabolism*, 33(6), 1111.

Gori I, et al. (2021) Mutations in SKI in Shprintzen-Goldberg syndrome lead to attenuated TGF- $\beta$  responses through SKI stabilization. *eLife*, 10.

Kuonen F, et al. (2021) c-FOS drives reversible basal to squamous cell carcinoma transition. *Cell reports*, 37(1), 109774.

Hancock MH, et al. (2020) Human Cytomegalovirus miRNAs Regulate TGF- $\beta$  to Mediate Myelosuppression while Maintaining Viral Latency in CD34+ Hematopoietic Progenitor Cells. *Cell host & microbe*, 27(1), 104.

Papoutsoglou P, et al. (2019) The TGFB2-AS1 lncRNA Regulates TGF- $\beta$  Signaling by Modulating Corepressor Activity. *Cell reports*, 28(12), 3182.

Ng PK, et al. (2018) Systematic Functional Annotation of Somatic Mutations in Cancer. *Cancer cell*, 33(3), 450.

Senft AD, et al. (2018) Combinatorial Smad2/3 Activities Downstream of Nodal Signaling Maintain Embryonic/Extra-Embryonic Cell Identities during Lineage Priming. *Cell reports*, 24(8), 1977.

Miller DSJ, et al. (2018) The Dynamics of TGF- $\beta$  Signaling Are Dictated by Receptor Trafficking via the ESCRT Machinery. *Cell reports*, 25(7), 1841.