

# MED12 Antibody

Rabbit Polyclonal

|                           |            |             |
|---------------------------|------------|-------------|
| Antigen Affinity Purified | Protein ID | NP_005111.2 |
| Catalog No. A300-774A     | GeneID     | 9968        |
| Lot No. A300-774A-3       |            |             |

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|                              |   |
|------------------------------|---|
| <b>APPLICATIONS</b>          | WB, IP, IHC   |
| <b>SPECIES REACTIVITY</b>    | Human, Mouse  |
| <b>PRESUMED REACTIVITY</b>   | Based on 100% sequence identity, this antibody is predicted to react with Chimpanzee            |
| <b>AMOUNT</b>                | 100 µl  |
| <b>CONCENTRATION</b>         | 1000 µg/ml  |
| <b>STORAGE/SHELF LIFE</b>    | 2 – 8°C / 1 year from date of receipt   |
| <b>PHYSICAL STATE</b>        | Liquid  |
| <b>BUFFER</b>                | Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide                          |
| <b>ISOTYPE</b>               | IgG   |
| <b>ORIGIN</b>                | USA   |
| <b>PRODUCTION PROCEDURES</b> | Antibody was affinity purified using an epitope specific to MED12 immobilized on solid support. |

The epitope recognized by A300-774A maps to a region between residue 2127 and the C-terminus (residue 2177) of human Mediator of RNA Polymerase II Transcription, subunit 12 using the numbering given in entry NP\_005111.2 (GeneID 9968).

Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.

**APPLICATIONS** Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

|                      |  |
|----------------------|--|
| Western Blot         | 1:2,000 – 1:10,000   |
| Immunoprecipitation  | 2 – 10 µg/mg lysate  |
| Immunohistochemistry | 1:1,000 to 1:5,000. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections. |

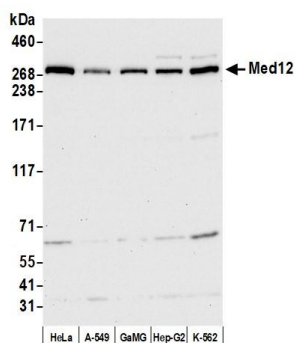
**IHC HUMAN CONTROLS** Breast Carcinoma, Ovarian Carcinoma, Prostate Carcinoma

**IHC MOUSE CONTROLS** Colon Carcinoma CT26, Renal Cell Carcinoma, Teratoma

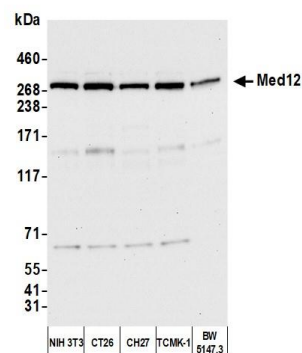
**ADDITIONAL INFO** <https://www.bethyl.com/product/A300-774A>

Use the link above to view SDS, a current list of citations, and other product specific information.  
IP-western blot protocol: [https://www.bethyl.com/content/protocol\\_IP\\_WB](https://www.bethyl.com/content/protocol_IP_WB)

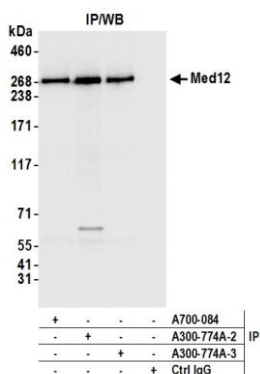
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.  
Michael Spencer, PhD Date: January 25, 2022



**Detection of human Med12 by western blot.** *Samples:* Whole cell lysate (10 µg) from HeLa, A-549, GaMG, Hep-G2, and K-562 cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-Med12 antibody (A300-774A lot 3) used for WB at 0.04 µg/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.

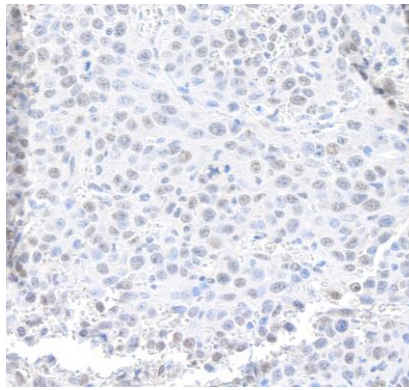


**Detection of mouse Med12 by western blot.** *Samples:* Whole cell lysate (10 µg) from NIH 3T3, CT26, CH27, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-Med12 antibody (A300-774A lot 3) used for WB at 0.04 µg/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.



**Detection of human Med12 by western blot of immunoprecipitates.** *Samples:* Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-Med12 antibody (A300-774A lot 3) used for IP at 6 µg per reaction. Med12 was also immunoprecipitated by a previous lot of this antibody (A300-774A lot 2) and a second antibody against a different epitope of Med12 (A700-084). For blotting immunoprecipitated Med12, A300-774A was used at 0.04 µg/ml. *Detection:* Chemiluminescence with an exposure time of 1 second.

**Detection of human MED12 by immunohistochemistry.** *Sample:* FFPE section of human prostate carcinoma. *Antibody:* Affinity purified rabbit anti-MED12 (A300-774A Lot 3) used at a dilution of 1:5,000 (0.2µg/ml). *Detection:* DAB



**Detection of mouse MED12 by immunohistochemistry.**

*Sample:* FFPE section of mouse renal cell carcinoma.

*Antibody:* Affinity purified rabbit anti-MED12 (A300-774A Lot 3) used at a dilution of 1:1,000 (1 µg/ml). *Detection:* DAB