

# Anti-MED13 Picoband Antibody

Catalog # ABO13034

## Product Information

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| <b>Application</b>       | WB, E                                                                                            |
| <b>Primary Accession</b> | <a href="#">MED13: Q9UHV7</a>                                                                    |
| <b>Host</b>              | Rabbit                                                                                           |
| <b>Reactivity</b>        | Human, Mouse                                                                                     |
| <b>Clonality</b>         | Polyclonal                                                                                       |
| <b>Format</b>            | Lyophilized                                                                                      |
| <b>Description</b>       | Rabbit IgG polyclonal antibody for MED13 detection. Tested with WB, Direct ELISA in Human;Mouse. |
| <b>Reconstitution</b>    | Add 0.2ml of distilled water will yield a concentration of 500ug/ml.                             |

## Additional Information

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| <b>Application Details</b>      | Western blot, 0.1-0.5 µg/ml<br><br>Direct ELISA, 0.1-0.5 µg/ml                                                                                                                     |
| <b>Subcellular Localization</b> | Nucleus.                                                                                                                                                                           |
| <b>Tissue Specificity</b>       | Ubiquitous.                                                                                                                                                                        |
| <b>Contents</b>                 | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg NaN <sub>3</sub> .                                                                         |
| <b>Immunogen</b>                | E. coli-derived human MED13 recombinant protein (Position: L61-Y240).                                                                                                              |
| <b>Purification</b>             | Immunogen affinity purified.                                                                                                                                                       |
| <b>Cross Reactivity</b>         | No cross reactivity with other proteins.                                                                                                                                           |
| <b>Storage</b>                  | At -20° C for one year. After reconstitution, at 4° C for one month. It can also be aliquotted and stored frozen at -20° C for a longer time. Avoid repeated freezing and thawing. |

## Protein Information

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### Background

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Mediator complex subunit 13 is a protein that in humans is encoded by the MED13 gene. This gene encodes a component of the mediator complex (also known as TRAP, SMCC, DRIP, or ARC), a transcriptional coactivator complex thought to be required for the expression of almost all genes. The mediator complex is recruited by transcriptional activators or nuclear receptors to induce gene expression, possibly by

interacting with RNA polymerase II and promoting the formation of a transcriptional pre-initiation complex. The product of this gene is proposed to form a sub-complex with MED12, cyclin C, and CDK8 that can negatively regulate transactivation by mediator.

## Images

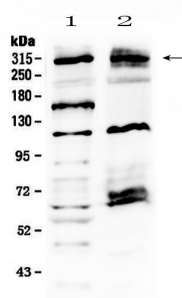


Figure 1. Western blot analysis of MED13 using anti-MED13 antibody (ABO13034). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: human U2OS whole cell lysates, Lane 2: human MCF-7 whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-MED13 antigen affinity purified polyclonal antibody (Catalog # ABO13034) at 0.5 ug/mL overnight at 4 °C then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for MED13 at approximately 300KD. The expected band size for MED13 is at 239KD.

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