

## Datasheet: VPA00175

|                      |                                   |
|----------------------|-----------------------------------|
| <b>Description:</b>  | RABBIT ANTI HISTONE DEACETYLASE 1 |
| <b>Specificity:</b>  | HISTONE DEACETYLASE 1             |
| <b>Format:</b>       | Purified                          |
| <b>Product Type:</b> | PrecisionAb™ Polyclonal           |
| <b>Isotype:</b>      | Polyclonal IgG                    |
| <b>Quantity:</b>     | 100 µl                            |

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

|                  | Yes | No | Not Determined | Suggested Dilution |
|------------------|-----|----|----------------|--------------------|
| Western Blotting | ■   |    |                | 1/1000             |

**PrecisionAb antibodies have been extensively [validated for the western blot application](#).** The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

|                                 |                                                                                                                                                                      |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Target Species</b>           | Human                                                                                                                                                                |
| <b>Species Cross Reactivity</b> | Reacts with: Mouse, Rat<br><b>N.B.</b> Antibody reactivity and working conditions may vary between species.                                                          |
| <b>Product Form</b>             | Purified IgG - liquid                                                                                                                                                |
| <b>Preparation</b>              | Rabbit polyclonal antibody purified by affinity chromatography                                                                                                       |
| <b>Buffer Solution</b>          | Phosphate buffered saline                                                                                                                                            |
| <b>Preservative Stabilisers</b> | 0.09% Sodium Azide (NaN <sub>3</sub> )<br>1% Bovine Serum Albumin<br><50% Glycerol                                                                                   |
| <b>Immunogen</b>                | Synthetic peptide corresponding to an internal region of human histone deacetylase 1                                                                                 |
| <b>External Database Links</b>  | <b>UniProt:</b><br><a href="#">Q13547</a> <a href="#">Related reagents</a><br><br><b>Entrez Gene:</b><br><a href="#">3065</a> HDAC1 <a href="#">Related reagents</a> |
| <b>Synonyms</b>                 | RPD3L1                                                                                                                                                               |

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Specificity</b>                   | <p><b>Rabbit anti Human histone deacetylase 1 antibody</b> recognizes histone deacetylase 1, also known as HDAC1.</p> <p>Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA.</p> <p>Rabbit anti Human histone deacetylase 1 antibody detects a band of 62 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p> |
| <b>Western Blotting</b>              | Anti histone deacetylase 1 detects a band of approximately 62 kDa in Jurkat cell lysates.                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Instructions For Use</b>          | Please refer to the <a href="#">PrecisionAb western blotting protocol</a> . For additional information on secondary antibody dilution and exposure time see product web page.                                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage</b>                       | Store undiluted at -20°C, avoiding repeated freeze thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Shelf Life</b>                    | As supplied, 12 months from date of despatch.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Acknowledgements</b>              | PrecisionAb™ is a trademark of Bio-Rad Laboratories.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10048 available at:<br>Antibody (10048): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf</a>                                                                                                                                                                                                                                                                                                                    |
| <b>Regulatory</b>                    | For research purposes only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

|                                  |                                                                                                                                         |                  |                                                                                                                                                 |               |                                                                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
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