

## Product datasheet

### Anti-HDAC6 antibody ab1440

★★★★★ [3 Abreviews](#) [30 References](#) [1 Image](#)

#### Overview

|                            |   |
|----------------------------|---|
| <b>Product name</b>        | Anti-HDAC6 antibody   |
| <b>Description</b>         | Rabbit polyclonal to HDAC6  |
| <b>Host species</b>        | Rabbit  |
| <b>Specificity</b>         | The antibody detects ~134 kDa histone deacetylase 6. It does not cross-react with other HDAC proteins including HDAC1, 2, 3, 4, 5, 7, and 8.  |
| <b>Tested applications</b> | <b>Suitable for:</b> WB   |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human   |
| <b>Immunogen</b>           | Synthetic peptide (Mouse) - N terminal.   |
| <b>General notes</b>       | <p>This product is manufactured by BioVision, an Abcam company and was previously called 3606 HDAC6 Antibody.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p> |

#### Properties

|                             |  |
|-----------------------------|--|
| <b>Form</b>                 | Liquid   |
| <b>Storage instructions</b> | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| <b>Storage buffer</b>       | Preservative: 0.02% Sodium azide<br>Constituents: 50% Glycerol (glycerin, glycerine), 1% BSA                                     |
| <b>Purity</b>               | Immunogen affinity purified  |
| <b>Clonality</b>            | Polyclonal   |
| <b>Isotype</b>              | IgG  |

#### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab1440 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews     | Notes   |
|-------------|---------------|---|
| WB          | ★ ★ ★ ★ ★ (2) | Use a concentration of 0.5 - 4 µg/ml. Detects a band of approximately 134 kDa (predicted molecular weight: 131 kDa). Block with 5% milk in TBST and incubate the antibody in blocking buffer. |

## Target

### Function

Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes (By similarity). Plays a central role in microtubule-dependent cell motility via deacetylation of tubulin.

### Sequence similarities

Belongs to the histone deacetylase family, HD type 2 subfamily.  
Contains 1 UBP-type zinc finger.

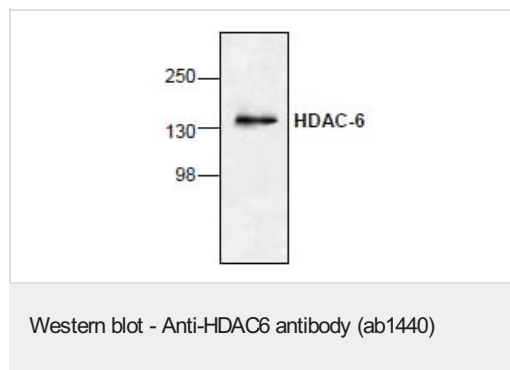
### Post-translational modifications

Ubiquitinated. Its polyubiquitination however does not lead to its degradation.  
Sumoylated in vitro.

### Cellular localization

Nucleus. Cytoplasm. It is mainly cytoplasmic, where it is associated with microtubules.

## Images



Anti-HDAC6 antibody (ab1440) + Jurkat cell lysate

**Predicted band size:** 131 kDa

**Observed band size:** 131 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish

- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

#### **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors