

## Product datasheet

# Anti-6X His tag® antibody ab137839

[13 References](#) [3 Images](#)

### Overview

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|                            |   |
|----------------------------|---|
| <b>Product name</b>        | Anti-6X His tag® antibody   |
| <b>Description</b>         | Rabbit polyclonal to 6X His tag®  |
| <b>Host species</b>        | Rabbit  |
| <b>Tested applications</b> | <b>Suitable for:</b> WB, IP   |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Species independent   |
| <b>Immunogen</b>           | A synthetic peptide: HHHHHH (6-His) conjugated to KLH.  |
| <b>Positive control</b>    | <b>ab2431</b> <i>E. coli</i> Positive Control (Escherichia coli) Whole Cell Lysate - expressing 6X His tag protein. His-tagged recombinant proteins.  |
| <b>General notes</b>       | <p>HIS-TAG® is a trademark of EMD Biosciences, Inc.</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

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|                             |  |
|-----------------------------|--|
| <b>Form</b>                 | Liquid   |
| <b>Storage instructions</b> | Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.                               |
| <b>Storage buffer</b>       | pH: 7.00<br>Preservative: 0.01% Thimerosal (merthiolate)<br>Constituents: 79.99% PBS, 20% Glycerol (glycerin, glycerine) |
| <b>Purity</b>               | Immunogen affinity purified  |
| <b>Clonality</b>            | Polyclonal   |
| <b>Isotype</b>              | IgG  |

### Applications

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## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab137839 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          |           | 1/1000 - 1/10000. |
| IP          |           | 1/500.            |

## Target

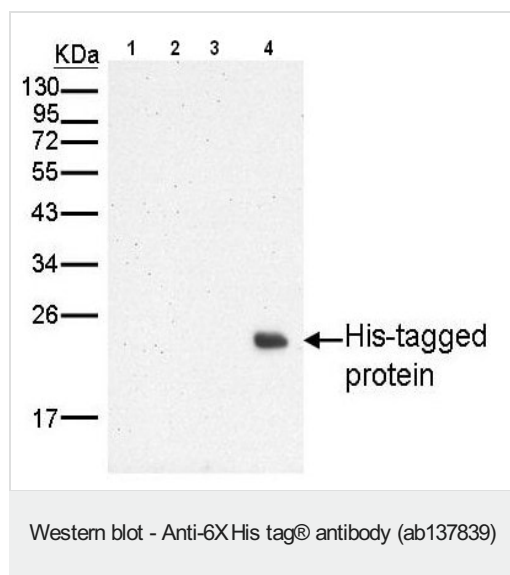
### Relevance

The H-H-H-H-H-H motif is used as a tag on many recombinant proteins to facilitate purification. His-tags can be fused to the amino- or carboxy- termini of proteins in transfected or transformed cells.

### Cellular localization

Depends upon the localization of the parent protein tagged with hexahistidine.

## Images



**All lanes** : Anti-6X His tag® antibody (ab137839) at 1/1000 dilution

**Lane 1** : Non-transformed E. Coli lysate

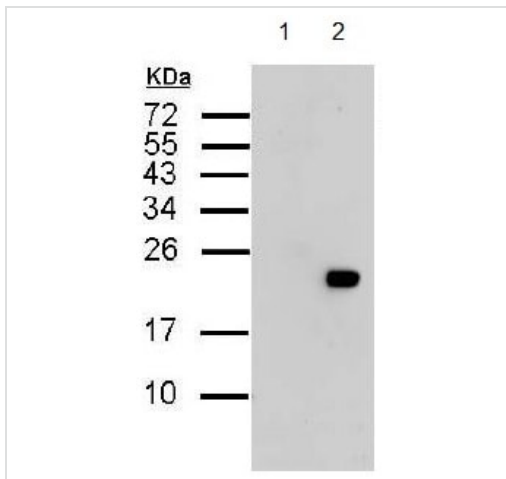
**Lane 2** : Non-transformed E. Coli lysate, induced

**Lane 3** : E.coli Lysate harbouring His-tagged recombinant protein (N-terminal linked), non-induced

**Lane 4** : E.coli Lysate harbouring His-tagged recombinant protein (N-terminal linked), induced

Lysates/proteins at 10 µg per lane.

12% SDS PAGE



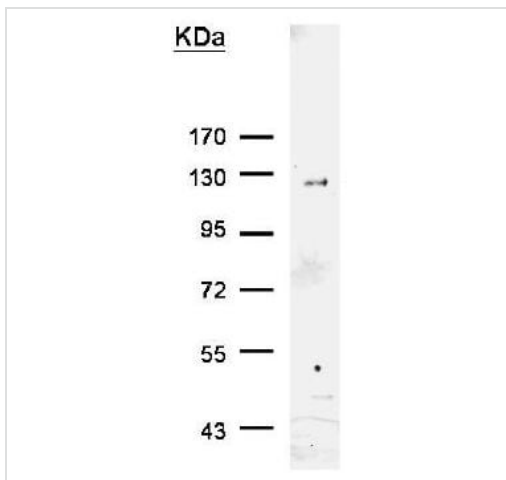
Western blot - Anti-6X His tag® antibody (ab137839)

**All lanes :** Anti-6X His tag® antibody (ab137839)

**Lane 1 :** E.coli Lysate harbouring His-tagged recombinant protein (N-terminal linked), non-induced

**Lane 2 :** E.coli Lysate harbouring His-tagged recombinant protein (N-terminal linked), induced

Lysates/proteins at 10 µg per lane.



Immunoprecipitation - Anti-6X His tag® antibody (ab137839)

His-tagged protein was immunoprecipitated from transfected cells using 8 ug of ab137839. The precipitated His-tagged protein was detected by ab137839 diluted at 1/500.

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

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