


# Anti-Homocysteine antibody ab15154

★★★★★ 3 Abreviews 16 References

## Overview

|                            |   |
|----------------------------|---|
| <b>Product name</b>        | Anti-Homocysteine antibody  |
| <b>Description</b>         | Rabbit polyclonal to Homocysteine   |
| <b>Host species</b>        | Rabbit  |
| <b>Specificity</b>         | Compound Crossreactivity Ratio Homocysteine G BSA 1 Cysteine G BSA 1/423 Homocysteic acid G BSA 1/100,000   |
| <b>Tested applications</b> | <b>Suitable for:</b> ELISA, IP, WB, Dot blot, IHC-P, IHC-FoFr   |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Mouse, Human<br><b>Predicted to work with:</b> Mammals   |
| <b>Immunogen</b>           | Other Immunogen Type corresponding to Homocysteine conjugated to bovine serum albumin (Glutaraldehyde).   |
| <b>General notes</b>       | <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. Add glycerol to a final volume of 50% for extra stability and aliquot. Store at -20°C. Avoid freeze / thaw cycle. |
| <b>Storage buffer</b>       | Preservative: 0.05% Sodium azide<br>Constituent: Whole serum  |
| <b>Purity</b>               | Whole antiserum   |
| <b>Clonality</b>            | Polyclonal  |
| <b>Isotype</b>              | IgG   |

## Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab15154 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   |
|-------------|-----------|---|
| ELISA       |           | Use at an assay dependent concentration.                  |
| IP          | ★★★★★ (1) | Use at an assay dependent concentration.                  |
| WB          | ★★★★★ (1) | Use at an assay dependent concentration.                  |
| Dot blot    |           | Use at an assay dependent concentration.                  |
| IHC-P       | ★★★★★ (1) | Use at an assay dependent concentration.                  |
| IHC-FoFr    |           | Use at an assay dependent concentration. PubMed: 22419888 |

## Target

### Relevance

Homocysteine is a chemical compound with the formula  $\text{HSCH}_2\text{CH}_2\text{CH}(\text{NH}_2)\text{CO}_2\text{H}$ . It is a homologue of the naturally-occurring amino acid cysteine, differing in that its side-chain contains an additional methylene (-CH<sub>2</sub>-) group before the thiol (-SH) group. Alternatively, Homocysteine can be derived from methionine by removing the latter's terminal C methyl group. Elevations of Homocysteine also occur in the rare hereditary disease homocystinuria and in methylene-tetrahydrofolate-reductase deficiency. The latter is quite common and usually goes unnoticed, although there are reports that thrombosis and cardiovascular disease occurs more often in people with elevated Homocysteine.

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

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