Anti-Homocysteine antibody ab6482

1 References

Overview

Product name: Anti-Homocysteine antibody
Description: Rabbit polyclonal to Homocysteine
Host species: Rabbit
Specificity: Using conjugated Homocysteine-Glutaraldehyde-Protein, antibody specificity was performed with an ELISA test by competition experiments with the following compounds: Compound : Cross-reactivity ratio
- Cysteine-G-BSA: 1/423
- Homocysteic acid-G-BSA: 1/>100000

Specificity data indicates the ratio of conjugated amino acids concentration at half displacement.

Homocysteine-G-BSA concentration/unconjugated or conjugated amino acids concentration at half displacement:
- G = Glutaraldehyde
- BSA = Bovine Serum Albumin

Tested applications: Suitable for: ELISA

Immunogen: Chemical/ Small Molecule by a Glutaraldehyde linker.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Purity: Ammonium Sulphate Precipitation
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab6482 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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<td>ELISA</td>
<td>1/2000 - 1/10000. Dilute in PBS.</td>
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Target
Relevance

Homocysteine is a chemical compound with the formula HSCH₂CH₂CH(NH₂)CO₂H. It is a homologue of the naturally-occurring amino acid cysteine, differing in that its side-chain contains an additional methylene (-CH₂-) 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.

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