
Hcy Rabbit pAb

Catalog Number: bs-23299R

Target Protein: Hcy

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Species independent

Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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 (-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.