

**bs-23299R**

**[ Primary Antibody ]**

## Hcy Rabbit pAb



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### — DATASHEET —

**Host:** Rabbit

**Isotype:** IgG

**Applications:** IHC-P (1:100-500)

**Clonality:** Polyclonal

**IHC-F** (1:100-500)

**IF** (1:100-500)

**Target:** Hcy

**Purification:** affinity purified by Protein A

**Reactivity:** Species independent

**Concentration:** 1mg/ml

**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 HSCH<sub>2</sub>CH<sub>2</sub>CH(NH<sub>2</sub>)CO<sub>2</sub>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.