Anti-Homocysteine α, γ-Lyase Antibody

CATALOG NO.:  A1866-30T 30 µg.
               A1866-100 100 µg.

BACKGROUND DESCRIPTION:  Homocysteine α,γ-lyase is a pyridoxal-5’-phosphate dependent enzyme. It is a mutant of homocysteinase from Trichomonas vaginalis encoded by mgl1 gene, containing three point mutations, such as; Phe47 Leu, Asp172Glu, Ser308Tyr. Its native molecular mass is 170 kD, with four seemingly identical subunits, each with molecular mass of 43-45 kD. The enzyme can metabolize homocysteine into α-keto butyrate, hydrogen sulfide and ammonia.

ALTERNATE NAMES:  Homocysteine α,γ-Lyase, HCYase.

ANTIBODY TYPE:  Polyclonal

CONCENTRATION:  0.5 mg/ml

HOST/ISOTYPE:  Rabbit / IgG.

IMMUNOGEN:  Recombinant Homocysteine α,γ-Lyase (rHCYase) (Cat. No. P1117) (Q95).

PURIFICATION:  Affinity purified.

FORM:  Liquid.

FORMULATION:  In PBS, 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.03% proclin, pH7.2

SPECIES REACTIVITY:  E.coli

STORAGE CONDITIONS:  Store at -20°C. Avoid repeated freeze/thaw cycles.

APPLICATIONS AND USAGE:  Western blot: 1-4 µg Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.

Western blot of recombinant HCYase using Homocysteine α, γ-Lyase Antibody.

Lane 1: rHCYase (2 ng)
Lane 2: rHCYase (10 ng)

FOR RESEARCH USE ONLY! Not to be used on humans.