

产品名称: Cystathionase (2V17) Rabbit Monoclonal Antibody
产品货号: AMRe09687



产品概述 (Summary)

产品名称 (Production Name)	Cystathionase (2V17) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IP
种属反应性 (Reactivity)	Human

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	CTH
别名 (Alternative Names)	CTH; Cystathionine gamma lyase; Cysteine desulfhydrase; Gamma cystathionase; Homoserine deaminase;
基因 ID (Gene ID)	1491.0
蛋白 ID (SwissProt ID)	P32929.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:2000-1:20000,IP 1:50-1:100
蛋白分子量 (Molecular Weight)	45kDa

产品名称: Cystathionase (2V17) Rabbit Monoclonal Antibody
产品货号: AMRe09687



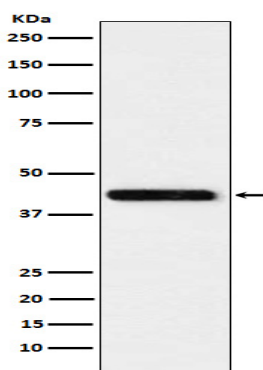
研究背景 (Background)

Catalyzes the last step in the transsulfuration pathway from methionine to cysteine. Has broad substrate specificity. Converts cystathionine to cysteine, ammonia and 2-oxobutanoate. Catalyzes the last step in the trans-sulfuration pathway from methionine to cysteine. Has broad substrate specificity. Converts cystathionine to cysteine, ammonia and 2-oxobutanoate. Converts two cysteine molecules to lanthionine and hydrogen sulfide. Can also accept homocysteine as substrate. Specificity depends on the levels of the endogenous substrates. Generates the endogenous signaling molecule hydrogen sulfide (H₂S), and so contributes to the regulation of blood pressure. Acts as a cysteine-protein sulfhydrase by mediating sulfhydration of target proteins: sulfhydration consists of converting -SH groups into -SSH on specific cysteine residues of target proteins such as GAPDH, PTPN1 and NF-kappa-B subunit RELA, thereby regulating their function.

研究领域 (Research Area)

Signal Transduction

图片 (Image Data)



Western blot analysis of Cystathionase expression in HeLa cell lysate.

注意事项 (Note)

For research use only .