antibodies -online.com





anti-CTH antibody (AA 1-70)





Go to Product page

)\/(

Overview	
Quantity:	100 μg
Target:	CTH
Binding Specificity:	AA 1-70
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CTH antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)
Product Details	

Immunogen:	Recombinant Human Cystathionine gamma-lyase protein (1-70AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	>95%, Protein G purified

Target Details

Target:	CTH
Alternative Name:	CTH (CTH Products)
Background:	Background: 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.

Aliases: CGL_HUMAN antibody, CTH antibody, cystathionase (cystathionine gamma-lyase) antibody, Cystathionine gamma lyase antibody, Cystathionine gamma-lyase antibody, Cysteine desulfhydrase antibody, Gamma cystathionase antibody, Gamma-cystathionase antibody, Homoserine deaminase antibody, MGC9471 antibody

UniProt:

P32929

Pathways:

ER-Nucleus Signaling, Warburg Effect

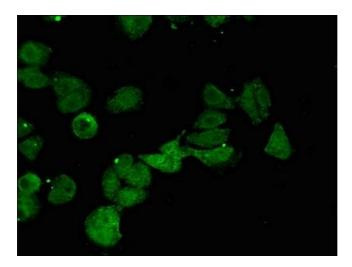
Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

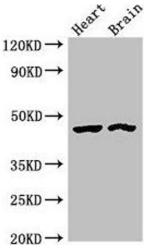
Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



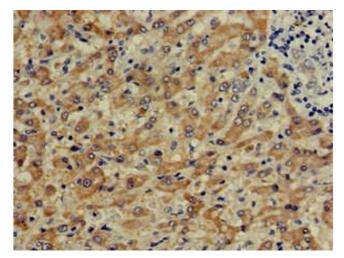
Immunofluorescence

Image 1. Immunofluorescent analysis of HepG2 cells using ABIN7148969 at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Western Blotting

Image 2. Western Blot Positive WB detected in: Rat heart tissue, Mouse brain tissue All lanes: CTH antibody at $4\,\mu$ g/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 45, 40, 42 kDa Observed band size: 45 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human liver cancer using ABIN7148969 at dilution of 1:100