

KD-Validated Anti-Cystathionine Gamma-Lyase Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

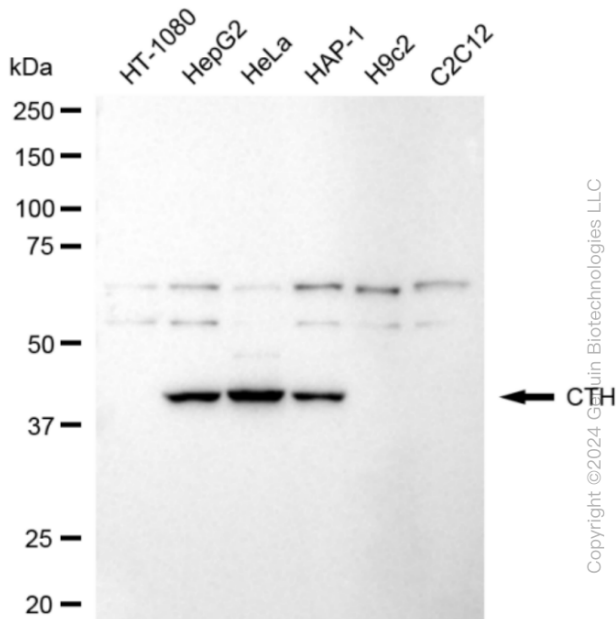
ABG1860

Product Overview

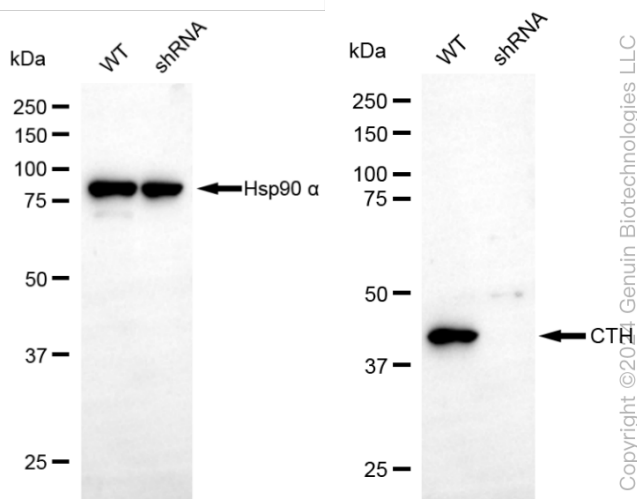
Name	KD-Validated Anti-Cystathionine Gamma-Lyase Rabbit Monoclonal Antibody
Accession(Primary)	P32929
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human Cystathionase/CTH
Species Reactivity	Human
Calculated MW	Predicted, 45 kDa, observed, 45 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:100-1:1,000

Target information (P32929)

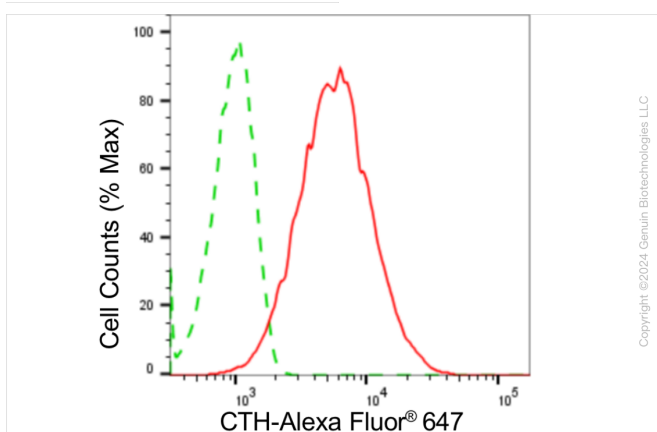
Gene Name	CTH
About Gene Symbol	CTH (Cystathionine Gamma-Lyase) is a metabolic enzyme involved in cellular metabolism. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



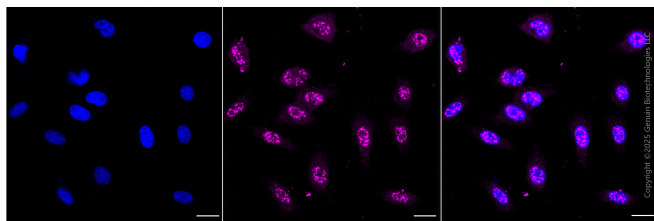
Western blotting analysis using anti-CTH antibody (Cat#ABG1860). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-CTH antibody (Cat#ABG1860, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-CTH antibody (Cat#ABG1860). CTH expression in wild type (WT) and CTH shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-CTH antibody (Cat#ABG1860, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of CTH expression in HepG2 cells using anti-CTH antibody (Cat#ABG1860, 1:2,000). Green, isotype control; red, CTH.



Immunocytochemical staining of HepG2 cells with anti-CTH antibody(Cat#ABG1860, 1:1,000). Nuclei were stained blue with DAPI; CTH was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 μ m.