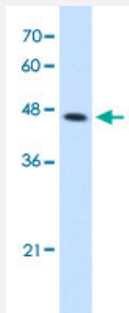


CTH polyclonal antibody

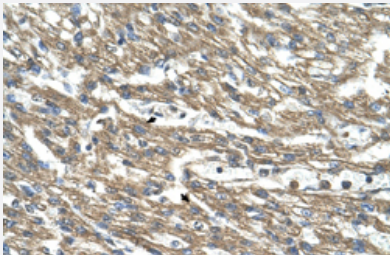
Catalog # PAB30014 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of HepG2 cell lysate with CTH polyclonal antibody (Cat # PAB30014) at 2.5 ug/mL working concentration.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human heart with CTH polyclonal antibody (Cat # PAB30014) at 4-8 ug/mL working concentration.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of human CTH.
Immunogen	A synthetic peptide corresponding to C-terminus of human CTH.
Sequence	ESNPWVEKVIYPGLPSHPQHELVKRQCTGCTGMVTFYIKGTLQHAEIFLK
Host	Rabbit
Theoretical MW (kDa)	44
Reactivity	Human
Form	Liquid

Purification	Protein A purification
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (4-8 ug/mL) Western Blot (2.5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (2% sucrose, 0.09% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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Gene Info — CTH

Entrez GeneID	1491
GeneBank Accession#	NM_001902
Protein Accession#	NP_001893;P32929
Gene Name	CTH
Gene Alias	MGC9471
Gene Description	cystathionase (cystathionine gamma-lyase)
Omim ID	219500 607657
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a cytoplasmic enzyme in the trans-sulfuration pathway that converts cystathionine derived from methionine into cysteine. Glutathione synthesis in the liver is dependent upon the availability of cysteine. Mutations in this gene cause cystathioninuria. Alternative splicing of this gene results in two transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations

OTTHUMP00000010945|OTTHUMP00000010946|cystathionase|cysteine desulfhydrase|gamma-cystathionase|homoserine deaminase|homoserine dehydratase

Pathway

- [Cysteine and methionine metabolism](#)
- [Glycine](#)
- [Metabolic pathways](#)
- [Nitrogen metabolism](#)
- [Selenoamino acid metabolism](#)

Disease

- [Atherosclerosis](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Carotid Stenosis](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Infertility](#)
- [Lung Neoplasms](#)
- [Pulmonary Disease](#)

- [Spinal Dysraphism](#)
- [Urinary Bladder Neoplasms](#)

- [Werner syndrome](#)