

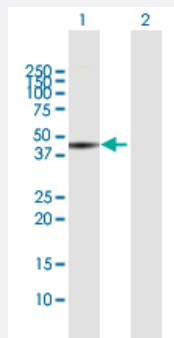
MaxPab®

CTH MaxPab rabbit polyclonal antibody (D01)

Catalog # H00001491-D01

Size 100 uL

Applications

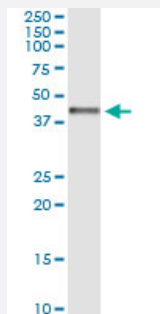


Western Blot (Transfected lysate)

Western Blot analysis of CTH expression in transfected 293T cell line ([H00001491-T01](#)) by CTH MaxPab polyclonal antibody.

Lane 1: CTH transfected lysate(44.5 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of CTH transfected lysate using anti-CTH MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with CTH purified MaxPab mouse polyclonal antibody (B01P) ([H00001491-B01P](#)).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human CTH protein.

Immunogen

CTH (NP_001893.2, 1 a.a. ~ 405 a.a) full-length human protein.

Sequence

MQEKDASSQGFLPHFQHFATQAIHVGGDPEQWTSRAVVPPISLSTTFKQGAPGQHSGFEYSRSG
NPTRNCLEKAVAALDGAKYCLAFASGLAATVTITHLLKAGDQIICMDDVYGGTNRVFRQVASEFGL
KISFVDCSKIKLLEAAITPETKLWVETPTNPTQKVIDIEGCAHVHKHGDILVVDNTFMSPYFQRPLA
LGADISMYSATKYMNGHSDVVMGLVSVNCESLHNRLRFLQNSLGAVPSPIDCYLCNRGLKTLHVR
MEKHFKNGMAVAQFLESNPWVEKVYPGLPSHPQHELVKRQCTGCTGMVTFYIKGTLQHAEIFLK
NLKLFTLAESLGGFESLAELPAIMTHASVLKNDRDVLGISDTLIRLSVGLLEDEEDLLEDLDQALKAA
HPPSGSHS

Host	Rabbit
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of CTH expression in transfected 293T cell line ([H00001491-T01](#)) by CTH MaxPab polyclonal antibody.

Lane 1: CTH transfected lysate(44.5 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of CTH transfected lysate using anti-CTH MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with CTH purified MaxPab mouse polyclonal antibody (B01P) ([H00001491-B01P](#)).

[Protocol Download](#)

Gene Info — CTH

Entrez GeneID	1491
GeneBank Accession#	NM_001902.4
Protein Accession#	NP_001893.2
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](#)