

DNAxPAb

Hard-to-Find
Antibody

CTH DNAxPab

Catalog # H00001491-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human CTH DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MQEKDASSQGFLPHFQHFATQAIHVGDPEQWTSRAVVPPISLSTTFKQGAPGQHSGFEYSRSG NPTRNCLEKAVAALDGAKYCLAFASGLAATVTITHLLKAGDQIICMDDVYGGTNRYFRQVASEFGL KISFVDCSKIKLLEAAITPETKLVWIETPTNPTQKVIDIEGCAHVKHGDIIILVVDNTFMSPYFQRPLA LGADISMYSATKYMNGHSDVVMGLVSVNCESLHNRLRFLQNSLGAVPSPIDCYLCNRGLKTLHVR MEKHFKNGMAVAQFLESNPWVEKVYPGLPSHPQHELVKRQCTGCTGMVTFYIKGTLQHAEIFLK NLKLFTLAESLGGFESLAELPAIMTHASVLKNDRDVLGISDTLIRLSVGLEDEEDLLEDLDQALKAA HPPSGSHS
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

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](#)