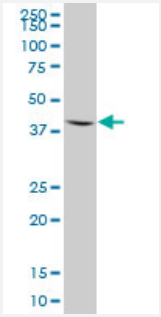
MaxPab®

AMT purified MaxPab mouse polyclonal antibody (B01P)

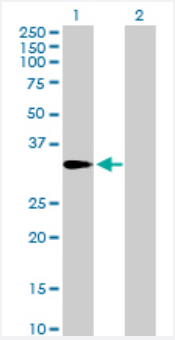
Catalog # H00000275-B01P Size 50 ug

Applications



Western Blot (Tissue lysate)

AMT MaxPab polyclonal antibody. Western Blot analysis of AMT expression in human kidney.



Western Blot (Transfected lysate)

Western Blot analysis of AMT expression in transfected 293T cell line (H00000275-T01) by AMT MaxPab polyclonal antibody.

Lane 1: AMT transfected lysate(31.9 KDa).
Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human AMT protein.
Immunogen	AMT (AAH07546.1, 1 a.a. ~ 289 a.a) full-length human protein.
Sequence	MESLVVGDIAELRPNQGTLSLFTNEAGGILDDLIVTNTSEGHLYVVSNAGCWEKDLALMQDKVRE LQNQGRDVGLEVLDNALLALQGPTAAQVLQAGVADDLRKLPFMTSAVMEVFGVSGCRVTRCGY TGEDGVEISVPVAGAVHLATAILKNPEVKLAGLAARDSLRLEAGLCLYGNDIDEHTTPVEGSLSWT LGKRRRAAMDFPGAKVIVPQLKGRVQRRRVGLMCEGAPMRAHSPILNMEGTKIGTVTSGCPSPS LKKNVAMGYVPCEYSRPGTMLLVELPSGPCF
Host	Mouse

Reactivity	Human
Interspecies Antigen Sequence	Mouse (89); Rat (91)
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 (Tissue lysate)

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  Protocol Download

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  Protocol Download

Gene Info — AMT

Entrez GeneID	275
GeneBank Accession#	BC007546
Protein Accession#	AAH07546
Gene Name	AMT
Gene Alias	GCE, GCST, NKH
Gene Description	aminomethyltransferase
Omim ID	238310 605899
Gene Ontology	Hyperlink

Gene Summary	The enzyme system for cleavage of glycine (glycine cleavage system; EC 2.1.2.10), which is confined to the mitochondria, is composed of 4 protein components: P protein (a pyridoxal phosphate-dependent glycine decarboxylase; MIM 238300), H protein (a lipoic acid-containing protein; MIM 238330), T protein (a tetrahydrofolate-requiring enzyme), and L protein (a lipoamide dehydrogenase; MIM 238331). Glycine encephalopathy (GCE; MIM 605899) may be due to a defect in any one of these enzymes.[supplied by OMIM
Other Designations	glycine cleavage system protein T

Pathway

- Glycine
- Metabolic pathways
- Nitrogen metabolism
- One carbon pool by folate

Disease

- Cardiovascular Diseases
- Cleft Lip
- Cleft Palate
- Crohn Disease
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Hyperglycinemia
- Lung Neoplasms
- Pulmonary Disease
- Schizophrenia
- Spinal Dysraphism
- Werner syndrome