

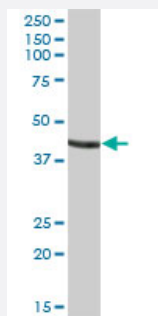
MaxPab®

GATM purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00002628-B01P

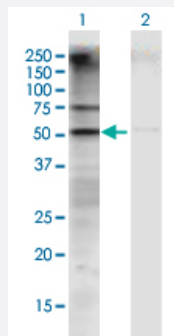
Size 50 ug

Applications



Western Blot (Tissue lysate)

GATM MaxPab polyclonal antibody. Western Blot analysis of GATM expression in human liver.



Western Blot (Transfected lysate)

Western Blot analysis of GATM expression in transfected 293T cell line ([H00002628-T01](#)) by GATM MaxPab polyclonal antibody.

Lane 1: GATM transfected lysate(46.53 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human GATM protein.

Immunogen

GATM (NP_001473.1, 1 a.a. ~ 423 a.a) full-length human protein.

Sequence

MLRVRCLRGGSRGAEAVHYIGSRLGRTLGWVQRTFQSTQAATASSRNSCAADDKATEPLPKDC
PVSSYNEWDPLEEVIVGRAENACVPPFTIEVKANTYKEYWPFYQKQGGHYFPKDLKKAVAEIEE
MCNLIKTEGVTVRRPDPIDWSLKYKTPDFESTGLYSAMPRDILIVGNEIIEAPMAWRSRFFEYRAY
RSIIKDYFHRGAKWTTAPKPTMADELNQQDYPIHSVEDRHKLAQQGKFVTTEFEPCFDAADFIRAG
RDIFAQRSQVTNYLGIEWMRRHLAPDYRVHISFKDPNPMHIDATFNIIGPGVLSNPDRPCHQIDLFK
KAGWTITPPTPIIPDDHPLWMSSKWLSMNVLMLEDEKRMVDANEVPIQKMFELGITTIKVNIRNAN
SLGGGFHCWTCDVRRRGTLQSYLD

Host	Mouse
Reactivity	Human
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](#)

- Western Blot (Transfected lysate)

Western Blot analysis of GATM expression in transfected 293T cell line ([H00002628-T01](#)) by GATM MaxPab polyclonal antibody.

Lane 1: GATM transfected lysate(46.53 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — GATM

Entrez GeneID	2628
GeneBank Accession#	NM_001482.1
Protein Accession#	NP_001473.1
Gene Name	GATM
Gene Alias	AGAT, AT
Gene Description	glycine amidinotransferase (L-arginine:glycine amidinotransferase)
Omim ID	602360
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a mitochondrial enzyme that belongs to the amidinotransferase family. This enzyme is involved in creatine biosynthesis, whereby it catalyzes the transfer of a guanido group from L-arginine to glycine, resulting in guanidinoacetic acid, the immediate precursor of creatine. Mutations in this gene cause arginine:glycine amidinotransferase deficiency, an inborn error of creatine synthesis characterized by mental retardation, language impairment, and behavioral disorders. [provided by RefSeq]

Other Designations

L-arginine:glycine amidinotransferase|transamidinase

Pathway

- [Arginine and proline metabolism](#)
- [Glycine](#)
- [Metabolic pathways](#)

Disease

- [Kidney Failure](#)