

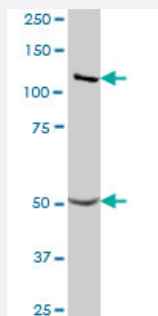
MaxPab®

GART purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00002618-B01P

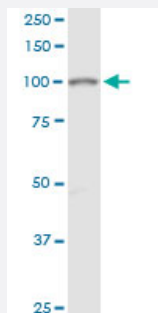
Size 50 ug

Applications



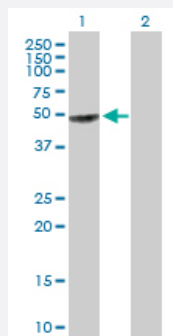
Western Blot (Tissue lysate)

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



Western Blot (Cell lysate)

GART MaxPab polyclonal antibody. Western Blot analysis of GART expression in HepG2.



Western Blot (Transfected lysate)

Western Blot analysis of GART expression in transfected 293T cell line ([H00002618-T01](#)) by GART MaxPab polyclonal antibody.

Lane 1: GART transfected lysate(47.63 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

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

Immunogen	GART (NP_780294.1, 1 a.a. ~ 433 a.a) full-length human protein.
Sequence	MAARVLIIGSGGREHTLAWKLAQSHHVKQVLVAPGNAGTACSEKISNTAISIDHTALAQFCKEKKI EFVVVGPEAPLAAGVGNLRSAGVQCFGPTAEAAQLESSKRFAKEFMDRHGIPTAQWKAFTKPE EACSFILSADFPALVVKASGLAAGKGVVAKSKEEACKAVQEIMQEKAFGAAGETVIEELLDGEE VSCLCFTDGKTVAPMPPAQDHKRLLEGDGGPNTGGMGAYCPAPQVSNLLLLKIKDTVLQRTVD GMQQEGTPYTGILYAGIMLTKNQPKVLEFNCRFGDPECQVILPLLKSDLYEVIQSTLDGLLCTSLPV WLENHTALTVMASKGYPGDYTKGVEITGFPEAQALGLEVFHAGTALKNGKVVTHGGRVLAVTAI RENLSALEEAKKGLAAIKFEGAIYRKDVGFRAIAFLQQPR
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (86); Rat (86)
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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GART MaxPab polyclonal antibody. Western Blot analysis of GART expression in HepG2.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of GART expression in transfected 293T cell line ([H00002618-T01](#)) by GART MaxPab polyclonal antibody.

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[Protocol Download](#)

Gene Info — GART

Entrez GeneID	2618
GeneBank Accession#	NM_175085.1
Protein Accession#	NP_780294.1
Gene Name	GART
Gene Alias	AIRS, GARS, GARTF, MGC47764, PAIS, PGFT, PRGS
Gene Description	phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminoimidazole synthetase
Omim ID	138440
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a trifunctional polypeptide. It has phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminoimidazole synthetase activity which is required for de novo purine biosynthesis. This enzyme is highly conserved in vertebrates. Alternative splicing of this gene results in two transcript variants encoding different isoforms. [provided by RefSeq]
Other Designations	OTTHUMP00000068280 OTTHUMP00000068281 OTTHUMP00000068282 OTTHUMP00000068337 trifunctional purine biosynthetic protein adenosine-3

Publication Reference

- [PAICS deficiency, a new defect of de novo purine synthesis resulting in multiple congenital anomalies and fatal outcome.](#)

Pelet A, Skopova V, Steuerwald U, Baresova V, Zarhrate M, Plaza JM, Hnizda A, Krijt M, Souckova O, Wibrand F, Andorsdóttir G, Joensen F, Sedlak D, Bleyer AJ, Kmoch S, Lyonnet S, Zikanova M.

Human Molecular Genetics 2019 Nov; 28(22):3805.

Application: IF, Human, Human skin fibroblasts

Pathway

- [Metabolic pathways](#)
- [One carbon pool by folate](#)
- [Purine metabolism](#)

Disease

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colorectal Neoplasms](#)
- [Ductus Arteriosus](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Spinal Dysraphism](#)
- [Tooth Abnormalities](#)