

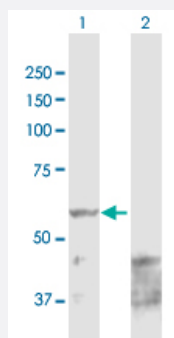
MaxPab®

PPAT MaxPab rabbit polyclonal antibody (D01)

Catalog # H00005471-D01

Size 100 uL

Applications

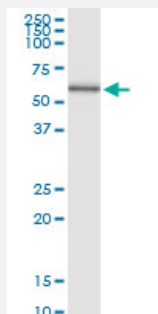


Western Blot (Transfected lysate)

Western Blot analysis of PPAT expression in transfected 293T cell line () by PPAT MaxPab polyclonal antibody.

Lane 1: PPAT transfected lysate(57.40 kDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of PPAT transfected lysate using anti-PPAT MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with PPAT purified MaxPab mouse polyclonal antibody (B01P) ([H00005471-B01P](#)).

Specification

Product Description

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

Immunogen

PPAT (NP_002694.3, 1 a.a. ~ 517 a.a) full-length human protein.

Sequence

MELEELGIREECGVFGCIASGEWPTQLDVPHVITLGLVGLQHRGQESAGMTSDGSSVPTFKSHK
GMGLVNHVFTEDNLKKLYVSNLIGHTRYATTGKCELENCQPFVVETLHGKIAVAHNGELVNAARL
RKKLLRHGIGLSTSSDSEMITQLLAYTPPQEQQDDTPDWVARIKMLKEAPTAYSLLIMHRDVIYAVR
DPYGNRPLCIGRLIPVSDINDKEKKTSETEGWVVSSESCSFLSIGARYYREVLPGEMEISRHNVTQL
DIISRSEGNPVAFCIFEYVYFARPDSMFEDQMYYTVRYRCGQQLAIEAPVDADLVSTVPESATPAA
LAYAGKCGLPYVEVLCKNRYVGRFTIQPNMRLRQLGVAKKFGVLSDNFKGKRVLVDDSVIRGNTI
SPIIKLLKESGAKEVHIRVASPPIKYPCFMGINPTKEELIANKPEFDHLAEYLGANSVVYLSVEGLVS
SVQEGIKFKKQKEKKHDIQENGNGLCEFEKSGHCTACLTGKYPVELEW

Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (93); Rat (93)
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.

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[Protocol Download](#)

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[Protocol Download](#)

Gene Info — PPAT

Entrez GeneID	5471
GeneBank Accession#	NM_002703.3
Protein Accession#	NP_002694.3
Gene Name	PPAT
Gene Alias	ATASE, GPAT, PRAT
Gene Description	phosphoribosyl pyrophosphate amidotransferase
Omim ID	172450
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene is a member of the purine/pyrimidine phosphoribosyltransferase family. This protein is a regulatory allosteric enzyme that catalyzes the first step of de novo purine nucleotide biosynthesis. This gene and PAICS/AIRC, a bifunctional enzyme catalyzing steps six and seven in the purine nucleotide biosynthesis pathway, are located in close proximity on chromosome 4. [provided by RefSeq]

Other Designations

amidophosphoribosyltransferase|glutamine PRPP amidotransferase|glutamine phosphoribosylpyrophosphatase amidotransferase

Pathway

- [Alanine](#)
- [Metabolic pathways](#)
- [Purine metabolism](#)