

PPAT mouse monoclonal antibody (hybridoma)

Catalog # H00005471-M

Size Up to 5 Clones

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant PPAT.

Immunogen

PPAT (NP_002694.3, 1 a.a. ~ 517 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MELEELGIREECGVFGCIASGEWPTQLDVPHVITLGLVGLQHRGQESAGMTSDGSSVPTFKSHK
GMGLVNHVFTEDNLKKLYVSNLGIGHTRYATTGKCELENCQPFVETLHGKIAVAHNGELVNAARL
RKKLLRHGIGLSTSSDSEMITQLLAYTPPQEQQDDTPDWVARIKMLMKEAPTAYSLLIMHRDVIYAVR
DPYGNRPLCIGRLIPVSDINDKEKKTSETEGWVVSSESCSFLSIGARYREVLPGEMEISRHNVTQL
DIISRSEGNPVAFICFEYVYFARPDMSMFEDQMVYTVRYRCGQQLAIEAPVDADLVSTVPESATPAA
LAYAGKCGLPYVEVLCKNRYVGRTFIQPNMRLRQLGVAKKFGVLSDNFKGKRMLVDDSVIRGNTI
SPIIKLLKESGAKEVHIRVASPPIKYPCFMGINPTKEELIANKPEFDHLAEYLGANSVVYLSVEGLVS
SVQEGIKFKKQKEKKHDMIQENGNGLECFEKS GHCTACTLTGKYPVELEW

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (93); Rat (93)

Quality Control Testing

Antibody reactivity and specificity confirmed by ELISA and Western Blot.

Deliverables

Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.

Note

Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

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](#)