

Product datasheet for TA504706

Phosphoribosyl pyrophosphate amidotransferase (PPAT) Mouse Monoclonal Antibody [Clone ID: OT1B11]

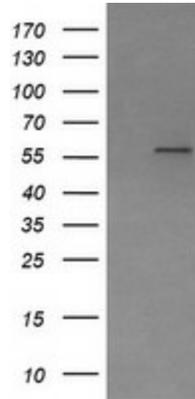
Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OT1B11 |
| Applications: | IHC, WB |
| Recommend Dilution: | WB 1:500, IHC 1:150 |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Human recombinant protein fragment corresponding to amino acids 42-278 of human PPAT(NP_002694) produced in E.coli. |
| Formulation: | PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| Concentration: | 1 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Predicted Protein Size: | 57.2 kDa |
| Gene Name: | phosphoribosyl pyrophosphate amidotransferase |
| Database Link: | NP_002694 Entrez Gene 5471 Human |
| Background: | The protein encoded by this gene is a member of the purine/pyrimidine phosphoribosyltransferase family. It is a regulatory allosteric enzyme that catalyzes the first step of de novo purine nucleotide biosynthetic pathway. This gene and PAICS/AIRC gene, a bifunctional enzyme catalyzing steps six and seven of this pathway, are located in close proximity on chromosome 4, and divergently transcribed from an intergenic region. [provided by RefSeq, Mar 2011] |
| Synonyms: | ATASE; GPAT; PRAT |
| Protein Families: | Druggable Genome, Protease |
| Protein Pathways: | Alanine, aspartate and glutamate metabolism, Metabolic pathways, Purine metabolism |

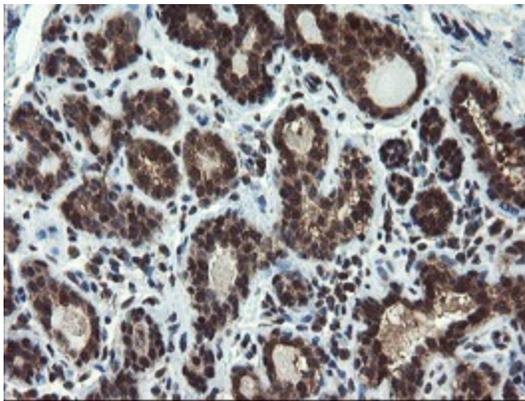


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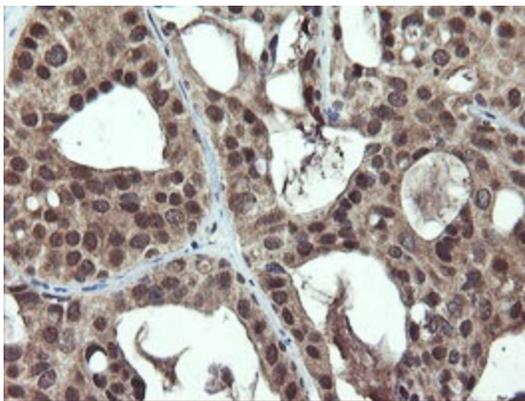
Product images:



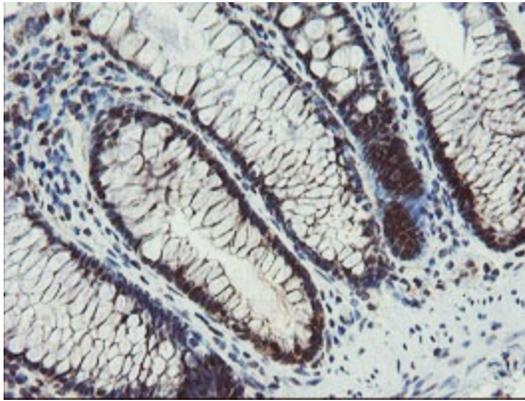
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PPAT ([RC201144], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PPAT. Positive lysates [LY400951] (100ug) and [LC400951] (20ug) can be purchased separately from OriGene.



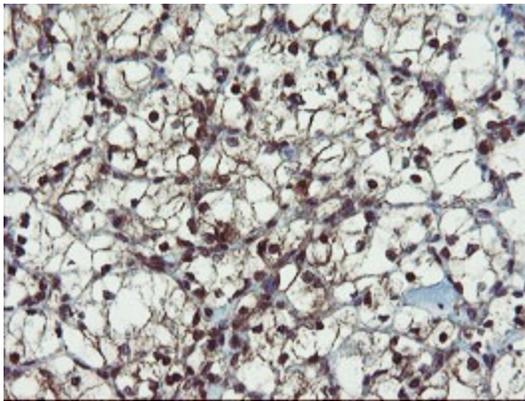
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-PPAT mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA504706)



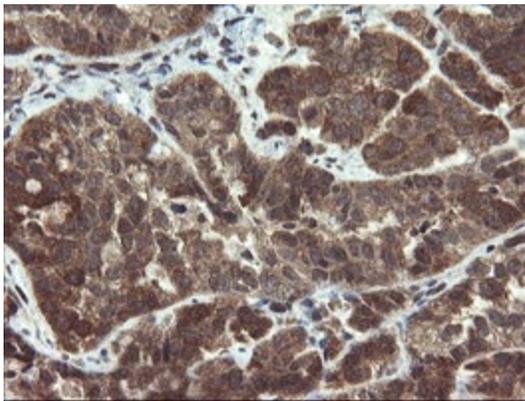
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-PPAT mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA504706)



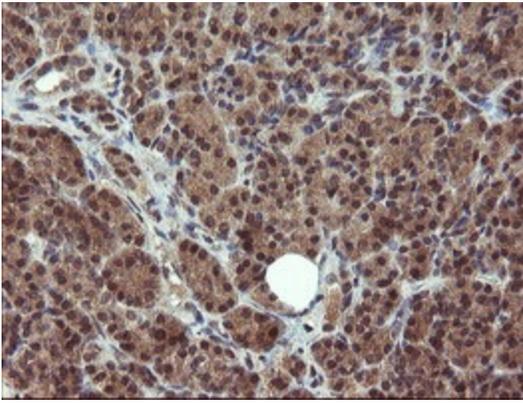
Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-PPAT mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA504706)



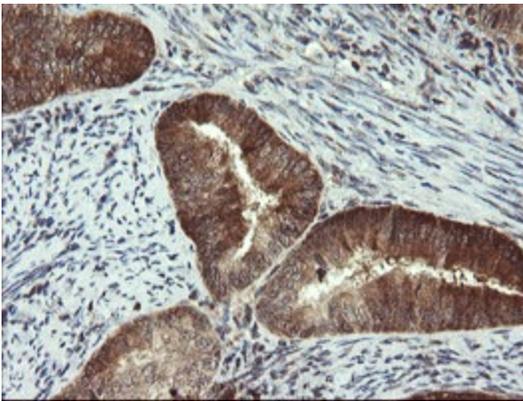
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-PPAT mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA504706)



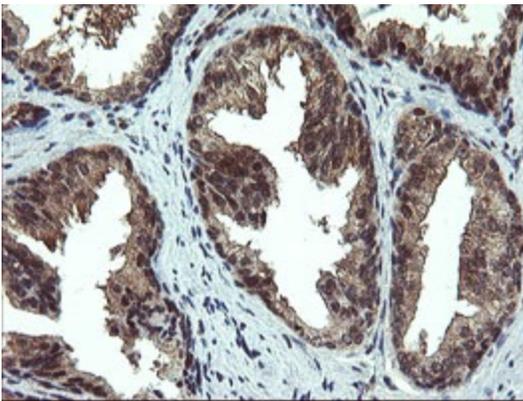
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-PPAT mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA504706)



Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-PPAT mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA504706)



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-PPAT mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA504706)



Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-PPAT mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA504706)