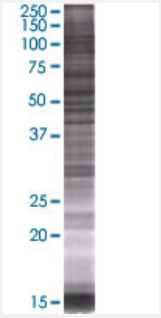
PPAT 293T Cell Transient Overexpression Lysate(Denatured)

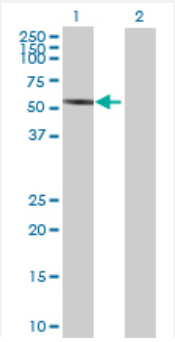
Catalog # H00005471-T01 Size 100 uL

Applications



SDS-PAGE Gel

PPAT transfected lysate.



Western Blot

Lane 1: PPAT transfected lysate (56.98 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-PPAT full-length
Host	Human
Theoretical MW (kDa)	56.98
Interspecies Antigen Sequence	Mouse (93); Rat (93)

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-PPAT antibody (H00005471-B01) by Western Blots. SDS-PAGE Gel PPAT transfected lysate. Western Blot Lane 1: PPAT transfected lysate (56.98 KDa) Lane 2: Non-transfected lysate.
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

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 phosphoribosylpyrophosphatate amidotransferase

Pathway

- Alanine
- Metabolic pathways
- Purine metabolism