

PTS rabbit monoclonal antibody

Catalog # H00005805-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human PTS peptide using ARM Technology.
Immunogen	A synthetic peptide of human PTS is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human PTS peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — PTS

Entrez GeneID	5805
GeneBank Accession#	PTS
Gene Name	PTS
Gene Alias	FLJ97081, PTPS
Gene Description	6-pyruvoyltetrahydropterin synthase
Omim ID	261640
Gene Ontology	Hyperlink
Gene Summary	The enzyme encoded by this gene catalyzes the elimination of inorganic triphosphate from dihydroneopterin triphosphate, which is the second and irreversible step in the biosynthesis of tetrahydrobiopterin from GTP. Tetrahydrobiopterin, also known as BH(4), is an essential cofactor and regulator of various enzyme activities, including enzymes involved in serotonin biosynthesis and NO synthase activity. Mutations in this gene result in hyperphenylalaninemia. [provided by RefSeq]
Other Designations	6-pyruvoyl tetrahydrobiopterin synthase 6-pyruvoyl-tetrahydropterin synthase PTP synthase

Pathway

- [Folate biosynthesis](#)
- [Metabolic pathways](#)

Disease

- [Autistic Disorder](#)
- [Dystonia](#)
- [Dystonic Disorders](#)
- [Genetic Predisposition to Disease](#)
- [Mental Retardation](#)

- [Metabolic Diseases](#)
- [Phenylketonuria](#)
- [Phenylketonurias](#)