

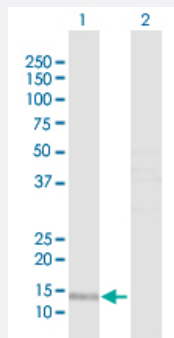
MaxPab®

PTS purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00005805-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of PTS expression in transfected 293T cell line ([H00005805-T02](#)) by PTS MaxPab polyclonal antibody.

Lane 1: PTS transfected lysate(16.40 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PTS protein.
Immunogen	PTS (NP_000308.1, 1 a.a. ~ 145 a.a) full-length human protein.
Sequence	MSTEGGGRRRCQAQVSRRISFSASHRLYSKFLSDEENLKLFGKCNNPNNGHGHNYKVVVTVHGEID PATGMVMNLADLKKYMEEAIMQPLDHKNLDMVVPYFADVSTTENAVAYWDNLQKVLPGVLY KVKVYETDNNIVVYKGE
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (87); Rat (88)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of PTS expression in transfected 293T cell line ([H00005805-T02](#)) by PTS MaxPab polyclonal antibody.

Lane 1: PTS transfected lysate(16.40 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — PTS

Entrez GeneID [5805](#)

GeneBank Accession# [NM_000317.1](#)

Protein Accession# [NP_000308.1](#)

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](#)