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Product datasheet for AM09382PU-N

PTS Mouse Monoclonal Antibody [Clone ID: AT2B2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AT2B2
Applications:	WB
Recommended Dilution:	ELISA, WB
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Recombinant human PTS (1-145aa) purified from E. coli
Specificity:	The antibody recognizes human and mouse PTS. Other species not tested.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol
Concentration:	lot specific
Purification:	Protein-G affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Predicted Protein Size:	16.2 kDa
Gene Name:	6-pyruvoyltetrahydropterin synthase
Database Link:	NP_000308 Entrez Gene 5805 Human Q03393

View online »

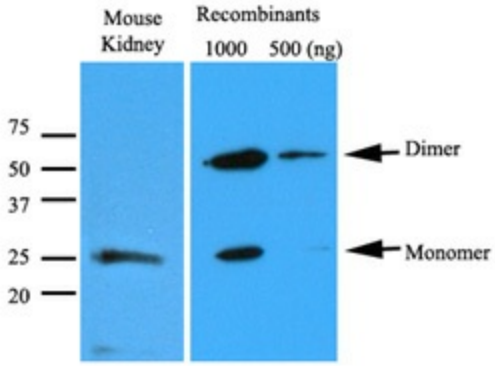
Background: PTS or PTPS (6-Pyruvoyl tetrahydroprotein synthase) is involved in the biosynthesis of tetahydrobiopterin (BH4), the cofactor of several enzymes such as the nitric oxide synthase and the aromatic amino acid hdroxylases. Inherited deficiency of PTS is the most frequent cause of hyperphenylalninemia (HPA) characterized by depletion of the biogenic amine neutotransmitters, dopamine and serotonin, and is accompanied by severe progressive mental retardation. PTS was showed a homohexameric enzyme composed of a dimer or trimers in the crystallography and several experiments.

Synonyms: FLJ97081; PTPS

Protein Families: Druggable Genome

Protein Pathways: Folate biosynthesis, Metabolic pathways

Product images:



Western blot analysis : Mouse kidney lysates (40ug) and recombinant protein were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PTS (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.