

32-6020: Mouse Anti Human 6-Pyruvoyltetrahydropterin Synthase(Clone: PAT2B2AT.)

Clonality :	Monoclonal
Clone Name :	PAT2B2AT.
Application :	ELISA, WB
Gene :	PTS
Gene ID :	5805
Uniprot ID :	Q03393
Format :	Purified
Alternative Name :	PTP Synthase, 6-Pyruvoyl Tetrahydropterin Synthase, PTPS, PTS, FLJ97081.
Isotype :	Mouse IgG2b heavy chain and ? light chain.
Immunogen Information :	Anti-human PTPS mAb, is derived from hybridization of mouse FO myeloma cells with spleen cells from BALB/c mice immunized with recombinant human PTPS amino acids 1-145 purified from E. coli.

Description

6-PyruvoylTetrahydropterin Synthase is part of the family of lyases, specifically those carbon-oxygen lyases acting on phosphates. 6-PyruvoylTetrahydropterin Synthase catalyzes the elimination of inorganic triphosphate from dihydroneopterin triphosphate, which is the second and irreversible step in the biosynthesis of tetrahydrobiopterin from GTP. Tetrahydrobiopterin, is a necessary cofactor and regulator of a range of enzyme activities, including enzymes involved in serotonin biosynthesis and NO synthase activity. Mutations in 6-PyruvoylTetrahydropterin Synthase gene result in hyperphenylalaninemia.

Product Info

Amount :	20 µg
Purification :	PTPS antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
Content :	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
Storage condition :	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

PTPS antibody has been tested by ELISA, Western blot to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:250 ~ 1000. Recommended starting dilution is 1:500.