

DATASHEET

PTPS Rabbit Polyclonal Antibody

CAT. NO. APA12853

KEY FEATURES

| | | | |
|---------------|---|---------------|---------------------|
| Target | PTPS | Source / Host | Rabbit |
| Reactivity | Human, Mouse, Rat | Clonality | Polyclonal |
| Applications | WB | Conjugation | Unconjugated |
| Form / Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. | | Storage at -20°C |

BACKGROUND

Involved in the biosynthesis of tetrahydrobiopterin, an essential cofactor of aromatic amino acid hydroxylases. Catalyzes the transformation of 7,8-dihydroneopterin triphosphate into 6-pyruvoyl tetrahydropterin.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

| | |
|----|----------------|
| WB | 1:500 - 1:1000 |
|----|----------------|

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

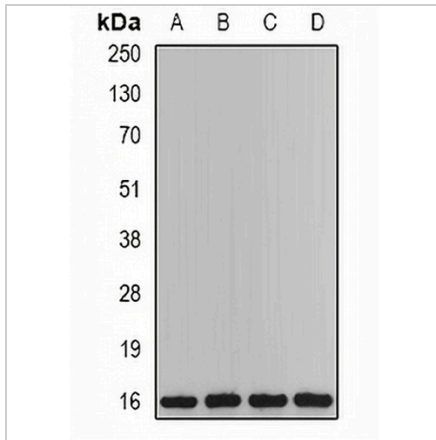
| | |
|-------------------|---|
| Description | Rabbit polyclonal antibody to PTPS |
| Specificity | Recognizes endogenous levels of PTPS protein. |
| Antibody Type | Primary antibody |
| Immunogen | Recombinant fusion protein of human PTPS |
| Purification | The antibody was purified by immunogen affinity chromatography. |
| Molecular Weight | Predicted: 16 kD; Observed: 16 kD |
| Form/Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| Alternative Names | 6-pyruvoyl tetrahydrobiopterin synthase; PTP synthase; PTPS |
| Gene Symbol | PTS |
| Entrez Gene | 5805(Human); 19286(Mouse); 29498(Rat) |
| SwissProt | Q03393(Human); Q9R1Z7(Mouse); P27213(Rat) |

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of PTPS expression in HeLa (A), mouse liver (B), mouse heart (C), rat kidney (D) whole cell lysates. (Predicted band size: 16 kD; Observed band size: 16 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.