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Datasheet for ABIN6719631 **anti-PPCS antibody**

Overview

Quantity:	100 µg
Target:	PPCS
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for PPCS detection. Tested with WB, IHC-P, IHC-F, ICC, FCM in Human, Mouse, Rat.
Immunogen:	A synthetic peptide corresponding to a sequence of human PPCS(VEIEEKIVDNLQSRHTAFIGDRN).
Sequence:	VEIEEKIVDN LQSRHTAFIG DRN
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for PPCS detection. Tested with WB, IHC-P, IHC-F, ICC, FCM in Human, Mouse, Rat.
Purification:	Immunogen affinity purified.

Target Details

Target:	PPCS
Alternative Name:	PPCS (PPCS Products)
Background:	<p>Synonyms: Phosphopantothenate--cysteine ligase, Phosphopantothenoylcysteine synthetase, PPC synthetase, PPCS, COAB</p> <p>Background: Phosphopantothenoylcysteine synthetase in humans is encoded by the PPCS gene. Biosynthesis of coenzyme A (CoA) from pantothenic acid (vitamin B5) is an essential universal pathway in prokaryotes and eukaryotes. PPCS, one of the last enzymes in this pathway, converts phosphopantothenate to phosphopantothenoylcysteine. By genomic sequence analysis, this PPCS gene is mapped to chromosome 1.</p>
Gene ID:	79717
Pathways:	Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	Application details: Western blot 0.1-0.5 µg/mL Immunohistochemistry(Paraffin-embedded Section) 0.5-1 µg/mL Immunohistochemistry(Frozen Section) 0.5-1 µg/mL Immunocytochemistry 0.5-1 µg/mL Flow Cytometry 1-3 µg/1x10 ⁶ cells
Comment:	Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested. Optimal dilutions should be determined by end users.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month.

It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.