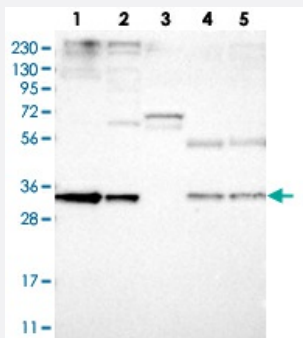


PPCS polyclonal antibody

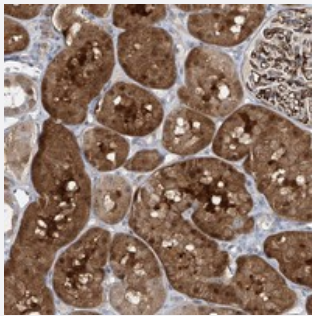
Catalog # PAB22546 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane 1: RT-4, Lane 2: U-251 MG, Lane 3: Human Plasma, Lane 4: Liver, Lane 5: Tonsil with PPCS polyclonal antibody (Cat # PAB22546) at 1:250-1:500 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human kidney with PPCS polyclonal antibody (Cat # PAB22546) shows strong cytoplasmic and nuclear positivity in cells in tubules at 1:200-1:500 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant PPCS.
Immunogen	Recombinant protein corresponding to amino acids of human PPCS.
Sequence	VLFLYRARSAPFPYHRFPQTWLSALRPSGPALSGLLSLEAEENALPGFAEALRSYQEAAAAGTF LAVEFTTLADY
Host	Rabbit
Reactivity	Human
Form	Liquid

Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:200-1:500) Western Blot (1:250-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — PPCS

Entrez GeneID	79717
Protein Accession#	Q9HAB8
Gene Name	PPCS
Gene Alias	FLJ11838, MGC117357, MGC138220
Gene Description	phosphopantothenoylcysteine synthetase
Omim ID	609853
Gene Ontology	Hyperlink
Gene Summary	Biosynthesis of coenzyme A (CoA) from pantothenic acid (vitamin B5) is an essential universal pathway in prokaryotes and eukaryotes. PPCS (EC 6.3.2.5), one of the last enzymes in this pathway, converts phosphopantothenate to phosphopantothenoylcysteine (Daugherty et al., 2002 [PubMed 11923312]).[supplied by OMIM]

Other Designations

OTTHUMP00000008431|OTTHUMP00000008433

Pathway

- [Metabolic pathways](#)
- [Pantothenate and CoA biosynthesis](#)