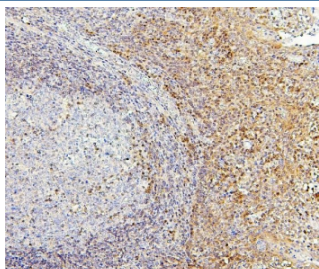


PPCS Antibody [clone 7G13] (RQ5506)

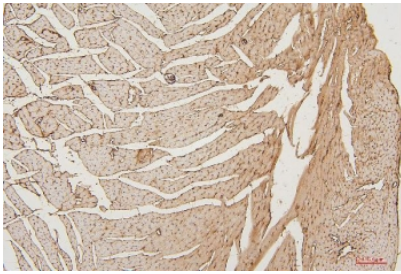
Catalog No.	Formulation	Size
RQ5506	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

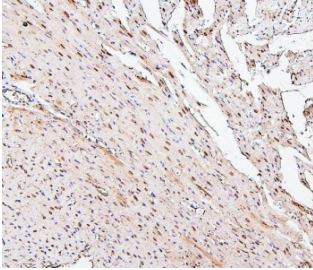
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a
Clone Name	7G13
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q9HAB8
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This PPCS antibody is available for research use only.



IHC staining of FFPE human tonsil with PPCS antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



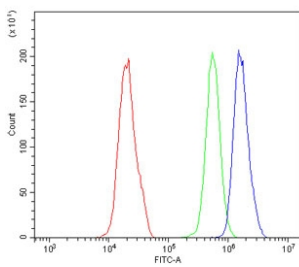
IHC staining of FFPE mouse heart with PPCS antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



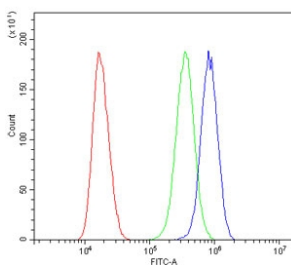
IHC staining of FFPE rat heart with PPCS antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



Western blot testing of human 1) A375 and 2) COLO-320 cell lysate with PPCS antibody. Predicted molecular weight ~34 kDa.



Flow cytometry testing of human PC-3 cells with PPCS antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PPCS antibody.



Flow cytometry testing of human SiHa cells with PPCS antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PPCS antibody.

Description

Phosphopantothencysteine 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 phosphopantothencysteine. By genomic sequence analysis, this PPCS gene is mapped to chromosome 1.

Application Notes

Optimal dilution of the PPCS antibody should be determined by the researcher.

Immunogen

Amino acids VEIEEKIVDNLQSRHTAFIGDRN were used as the immunogen for the PPCS antibody.

Storage

After reconstitution, the PPCS antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.