

ARG57082 anti-PPCS antibody [10D11]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [10D11] recognizes PPCS
Tested Reactivity	Hu
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	10D11
Isotype	IgG1, kappa
Target Name	PPCS
Species	Human
Immunogen	Recombinant fragment around aa. 1-311 of Human PPCS.
Conjugation	Un-conjugated
Alternate Names	Phosphopantothencycysteine synthetase; PPC synthetase; EC 6.3.2.5; Phosphopantothenate--cysteine ligase

Application Instructions

Application table	Application	Dilution
	WB	Assay-dependent

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 79717 Human Swiss-port # Q9HAB8 Human
Gene Symbol	PPCS
Gene Full Name	phosphopantothenoylcysteine synthetase
Background	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, Mar 2008]
Function	Catalyzes the first step in the biosynthesis of coenzyme A from vitamin B5, where cysteine is conjugated to 4'-phosphopantothenate to form 4-phosphopantothenoylcysteine. [UniProt]
Calculated Mw	34 kDa

Images



ARG57082 anti-PPCS antibody [10D11] WB image

Western blot: 40 µg of 1) Jurkat cell lysate, 2) HepG2 cell lysate, 3) HeLa cell lysate, 4) A549 cell lysate, 5) MCF7 cell lysate, 6) SK-OV-3 cell lysate stained with ARG57082 anti-PPCS antibody [10D11] at 1:1000.