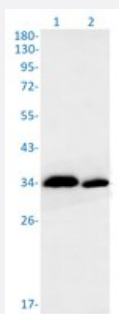RecomAb™

PPCS recombinant monoclonal antibody, clone R01-6I3

Catalog #   RAB04465   Size   100 uL

Applications

Western Blot

Western blot analysis of Lane 1: HeLa whole cell lysate and Lane 2: Jurkat whole cell lysate with PPCS recombinant monoclonal antibody, clone R01-6I3 (Cat # RAB04465).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PPCS.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human PPCS.
Theoretical MW (kDa)	Calculated MW: 34 kD
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	Immunoprecipitation (1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, 150mM NaCl, pH 7.4 (40% glycerol, 0.05% BSA and 0.01% 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

- Western Blot

  Western blot analysis of Lane 1: HeLa whole cell lysate and Lane 2: Jurkat whole cell lysate with PPCS recombinant monoclonal antibody, clone R01-6I3 (Cat # RAB04465).

- Immunoprecipitation

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