



Mouse Anti-Human TK1 Monoclonal Antibody, clone D4 (CABT-L2056)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Monoclonal Antibody to Thymidine Kinase 1, Soluble (Knockout Validated)
Specificity	The antibody is a mouse monoclonal antibody raised against TK1. It has been selected for its ability to recognize TK1 in immunohistochemical staining and western blotting.
Target	TK1
Immunogen	Recombinant Human Thymidine Kinase 1
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human, Pig
Clone	D4
Purification	Protein A + Protein G affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.

Preservative	0.05% Proclin-300
Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	TK1 Belongs to the thymidine kinase family.
Keywords	TK2;Thymidine kinase, cytosolic

GENE INFORMATION

Gene Name	TK1 thymidine kinase 1, soluble [Homo sapiens (human)]
Official Symbol	TK1
Synonyms	TK1; thymidine kinase 1, soluble; TK2; thymidine kinase, cytosolic; thymidine kinase-1; thymidine kinase 1 soluble isoform;
Entrez Gene ID	7083
Protein Refseq	NP_003249
UniProt ID	P04183
Chromosome Location	17q23.2-q25.3
Pathway	Drug metabolism - other enzymes; E2F transcription factor network; Fluoropyrimidine Activity; Metabolic pathways; Metabolism; Metabolism of nucleotides; Pyrimidine metabolism; Pyrimidine salvage reactions;
Function	ATP binding; identical protein binding; nucleoside kinase activity; thymidine kinase activity; zinc ion binding;