



# 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

<b>Product Overview</b>	Monoclonal Antibody to Thymidine Kinase 1, Soluble (Knockout Validated)
<b>Specificity</b>	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.
<b>Target</b>	TK1
<b>Immunogen</b>	Recombinant Human Thymidine Kinase 1
<b>Isotype</b>	IgG
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human, Pig
<b>Clone</b>	D4
<b>Purification</b>	Protein A + Protein G affinity chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	200 µg
<b>Buffer</b>	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.

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