



# Anti-TK1 (full length) polyclonal antibody (DPAB-DC3069)

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

## PRODUCT INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                                                               |
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| <b>Antigen Description</b> | TK1 (thymidine kinase 1, soluble) is a protein-coding gene. Diseases associated with TK1 include hypochondroplasia, and thanatophoric dysplasia, and among its related super-pathways are Pyrimidine metabolism and Fluoropyrimidine Pathway, Pharmacokinetics. GO annotations related to this gene include thymidine kinase activity and ATP binding.        |
| <b>Immunogen</b>           | TK1 (AAH07986.1, 1 a.a. ~ 234 a.a) full-length recombinant protein with GST tag. The sequence is<br>MSCINLPTVLPGSPSKTRGQIQVILGPMFSGKSTELMRRVRRFQIAQYKCLVIKYAKDTR<br>YSSSFCTHDRNTMEALPACLLRDVAQEALGVAVIGIDEGQFFPDIVEFCEAMANAGKTVI<br>VAALDGTGFQRKPFGAILNLVPLAESVVKLTAVCMECFREAAAYTKRLGTEKEVEVIGGADK<br>YHSVCRLCYFKKASGQPAGPDNKENCVPVPGKPGEAVAARKLFAPQQILQCSPAN |
| <b>Source/Host</b>         | Mouse                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species Reactivity</b>  | Human                                                                                                                                                                                                                                                                                                                                                         |
| <b>Conjugate</b>           | Unconjugated                                                                                                                                                                                                                                                                                                                                                  |
| <b>Applications</b>        | ELISA,                                                                                                                                                                                                                                                                                                                                                        |
| <b>Size</b>                | 50 µl                                                                                                                                                                                                                                                                                                                                                         |
| <b>Buffer</b>              | 50 % glycerol                                                                                                                                                                                                                                                                                                                                                 |
| <b>Preservative</b>        | None                                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage</b>             | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                      |

## GENE INFORMATION

|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | <a href="#">TK1 thymidine kinase 1, soluble [ Homo sapiens (human) ]</a>                                                    |
| <b>Official Symbol</b>     | TK1                                                                                                                         |
| <b>Synonyms</b>            | TK1; thymidine kinase 1, soluble; TK2; thymidine kinase, cytosolic; thymidine kinase-1; thymidine kinase 1 soluble isoform; |
| <b>Entrez Gene ID</b>      | <a href="#">7083</a>                                                                                                        |
| <b>Protein Refseq</b>      | <a href="#">NP_003249</a>                                                                                                   |
| <b>UniProt ID</b>          | <a href="#">P04183</a>                                                                                                      |
| <b>Chromosome Location</b> | 17q23.2-q25.3                                                                                                               |
| <b>Pathway</b>             | Drug metabolism - other enzymes; E2F transcription factor network; Metabolism; Pyrimidine metabolism                        |
| <b>Function</b>            | ATP binding; identical protein binding; nucleoside kinase activity; thymidine kinase activity                               |