

## anti-Human, Mouse TK Antibody | anti-TK antibody

TK (Ab-13) Antibody

|                               |                                   |                                                                                      |
|-------------------------------|-----------------------------------|--------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA110477</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>ELISA, Immunofluorescence, Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------------------|--------------------------------------------------------------------------------------|

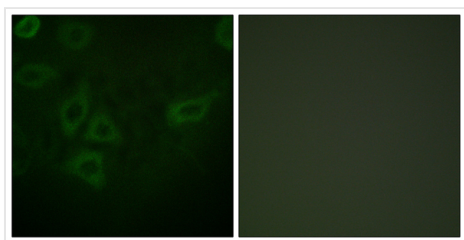
### PRODUCT SYNONYMS

TK; TK (Ab-13) Antibody; EC 2.7.1.21; KITH; TK-1; TK1; Thymidine kinase; cytosolic; anti-TK antibody

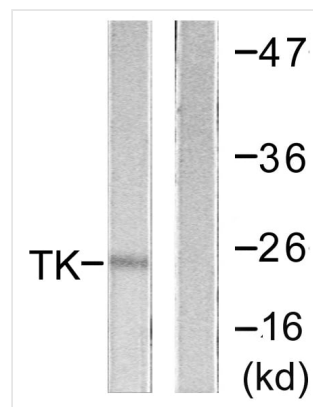
### PRODUCT SPECIFICATIONS

|                                              |                                                                                                                                                    |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                   | Human, Mouse                                                                                                                                       |
| Specificity                                  | TK (Ab-13) antibody detects endogenous levels of total TK protein.                                                                                 |
| Purity/Purification                          | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                               |
| Form/Format                                  | In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                     |
| Sequence Length                              | 234                                                                                                                                                |
| Applicable Applications for anti-TK antibody | ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                      |
| Immunogen                                    | The antiserum was produced against synthesized non-phosphopeptide derived from human TK around the phosphorylation site of serine 13 (P-G-SP-P-S). |
| Preparation and Storage                      | Store at -20 degree C for 1 year.                                                                                                                  |

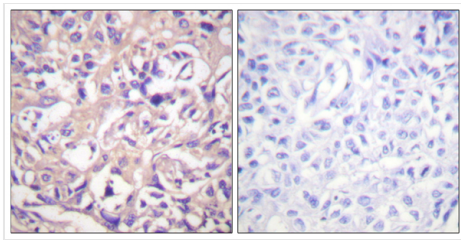
### IMAGES


**IF (Immunofluorescence)**

Peptide-+ Immunofluorescence analysis of HepG2 cells, using TK (Ab-13) antibody.


**IHC (Immunohistochemistry)**

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using TK (Ab-13) antibody. Western blot analysis of extracts from COLO205 cells, using TK (Ab-13) antibody.



Application Data  
Peptide+

### ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                   |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-TK antibody | Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells |
| References                                     | N Singh, Mol. Cell. Biol., May 1991; 11: 2362-2374. Bin Tian, Am. J. Pathol., Aug 2003; 163: 789. René Gerolami, Cancer Res., Feb 2000; 60: 993-1001. Catia Traversari, Blood, Jun 2007; 109: 4708-4715.          |

### NCBI AND UNIPROT INFORMATION

|                                  |                                       |
|----------------------------------|---------------------------------------|
| NCBI GI #                        | 164698438                             |
| NCBI GeneID                      | 7083                                  |
| NCBI Accession #                 | NP_003249.3                           |
| NCBI GenBank Nucleotide #        | NM_003258.4                           |
| UniProt Accession #              | P04183; Q969V0; Q9UMG9; B2RC58        |
| Molecular Weight                 | 25,469 Da                             |
| NCBI Official Full Name          | thymidine kinase, cytosolic isoform 1 |
| NCBI Official Synonym Full Names | thymidine kinase 1                    |
| NCBI Official Symbol             | TK1                                   |
| NCBI Official Synonym Symbols    | TK2                                   |
| NCBI Protein Information         | thymidine kinase, cytosolic           |
| UniProt Protein Name             | Thymidine kinase, cytosolic           |
| UniProt Gene Name                | TK1                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-mouse-antibody/tk/110477>