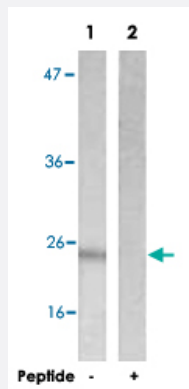


TK1 polyclonal antibody

Catalog # PAB18228 Size 100 ug

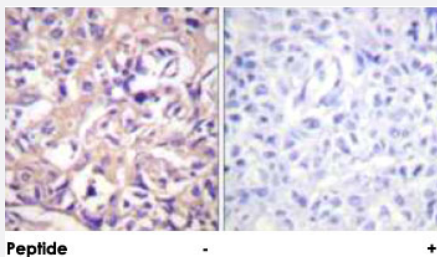
Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from COLO 205 cells, using TK1 polyclonal antibody (Cat # PAB18228).

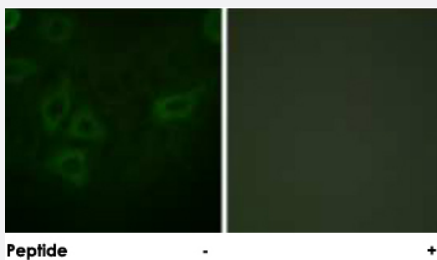
Peptide "+" means "peptide blocking".



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using TK1 polyclonal antibody (Cat # PAB18228).

Peptide "+" means "peptide blocking".



Immunofluorescence

Immunofluorescence analysis of HepG2 cells, using TK1 polyclonal antibody (Cat # PAB18228).

Peptide "+" means "peptide blocking".

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of TK1.

Immunogen	A synthetic peptide corresponding to residues surrounding S13 human TK1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to TK1.
Form	Liquid
Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) Immunofluorescence (1:500-1:1000) ELISA (1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	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 (Cell lysate)

Western blot analysis of extracts from COLO 205 cells, using TK1 polyclonal antibody (Cat # PAB18228).

Peptide "+" means "peptide blocking".

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using TK1 polyclonal antibody (Cat # PAB18228).

Peptide "+" means "peptide blocking".

- Immunofluorescence

Immunofluorescence analysis of HepG2 cells, using TK1 polyclonal antibody (Cat # PAB18228).

Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — TK1

Entrez GeneID	7083
Protein Accession#	P04183
Gene Name	TK1
Gene Alias	TK2
Gene Description	thymidine kinase 1, soluble
Omim ID	188300
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	thymidine kinase 1 soluble isoform thymidine kinase-1

Publication Reference

- [\[Effects of renal carcinoma cell line ACHN-derived exosomes on ACHN cell proliferation and apoptosis\].](#)
 Yang L, Wu X, Luo C, He Y, Zhang Y, Chen X, Zhang L, Chen L.
 Journal of Southern Medical University 2012 Oct; 32(10):1498.
 Application: WB-Ce, Human, ACHN cells
- [The potential immunogenicity of the TK suicide gene does not prevent full clinical benefit associated with the use of TK-transduced donor lymphocytes in HSCT for hematologic malignancies.](#)
 Traversari C, Marktel S, Magnani Z, Mangia P, Russo V, Ciceri F, Bonini C, Bordignon C.
 Blood 2007 Jun; 109(11):4708.
- [An HSV-TK transgenic mouse model to evaluate elimination of fibroblasts for fibrosis therapy.](#)
 Tian B, Han L, Kleidon J, Henke C.
 The American Journal of Pathology 2003 Aug; 163(2):789.

- [Evaluation of HSV-tk gene therapy in a rat model of chemically induced hepatocellular carcinoma by intratumoral and intrahepatic artery routes.](#)

Gerolami R, Cardoso J, Lewin M, Bralet MP, Sa Cunha A, Clément O, Bréchet C, Tran PL.

Cancer Research 2000 Feb; 60(4):993.

Pathway

- [Drug metabolism - other enzymes](#)
- [Metabolic pathways](#)
- [Pyrimidine metabolism](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)