

Datasheet for ABIN6257020
anti-TK1 antibody (N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	TK1
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TK1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human Thymidine Kinase 1/TK1, corresponding to a region within N-terminal amino acids.
Isotype:	IgG
Specificity:	Thymidine Kinase 1/TK1 Antibody detects endogenous levels of total Thymidine Kinase 1/TK1.
Predicted Reactivity:	Pig,Zebrafish,Bovine,Sheep,Rabbit,Dog,Xenopus
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	TK1
---------	-----

Target Details

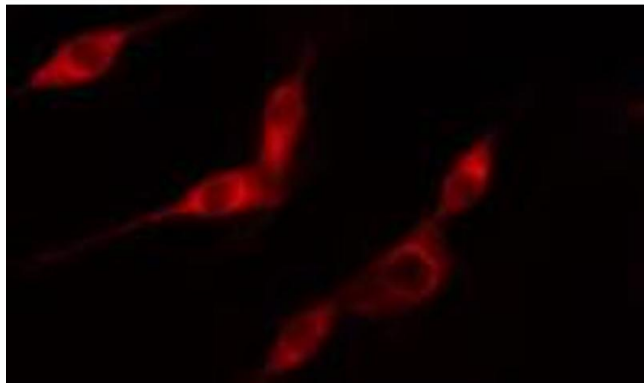
Alternative Name:	TK1 (TK1 Products)
Background:	<p>Description: Two forms have been identified in animal cells, one in cytosol and one in mitochondria. Activity of the cytosolic enzyme is high in proliferating cells and peaks during the S-phase of the cell cycle, it is very low in resting cells.</p> <p>Gene: TK1</p>
Molecular Weight:	25 kDa
Gene ID:	7083
UniProt:	P04183

Application Details

Application Notes:	WB 1:500-1:1000, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

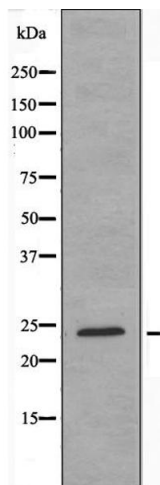
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months



Immunofluorescence (fixed cells)

Image 1. ABIN6274148 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody (Cat.# S0006), diluted at 1/600, was used as secondary antibody.



Western Blotting

Image 2. Western blot analysis of extracts from HeLa cells using KITH antibody.