

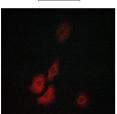
## Thymidine Kinase 1/TK1 Ab

Images(2)

Cat.#: AF6068 Size:	Concn.: ~1mg/ml Source: Rabbit	Mol.Wt.: 25kDa Clonality: Polyclonal
Application:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500 *The optimal dilutions should be determined by the end user.	
Reactivity:	Human, Mouse, Rat	
Storage:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 $^{\circ}$ C. Stable for 12 months from date of receipt.	
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink <sup>TM</sup> Coupling Resin (Thermo Fisher Scientific).	
Immunogen:	A synthesized peptide derived from human Thymidine Kinase 1/TK1, corresponding to a region within N-terminal amino acids.	
Uniprot:	P04183	
Description:	TK is a cytosolic thymidine kinase. Phosphorylated during mitosis. Its enzymatic activity is high in proliferating cells and peaks during the S-phase of the cell cycle; it is very low in resting cells.	



Western blot analysis of extracts from various samples, using TK Ab. Lane 1: HepG2 treated with blocking peptide; Lane 2: HepG2; Lane 3: 3T3.



AF6068 staining MCF-7 cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37°C. The primary Ab was diluted 1/400 and incubated with the sample for 1 hour at 37°C. A Alexa Fluor® 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab
in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking,
overnight.



For Research Use Only. Not for use in diagnostic and therapeutic procedures. Not for resale without express authorization.