

Product datasheet for **TA314628**

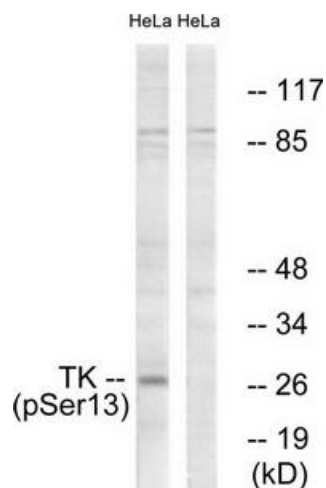
Thymidine Kinase 1 (TK1) Rabbit Polyclonal Antibody

Product data:

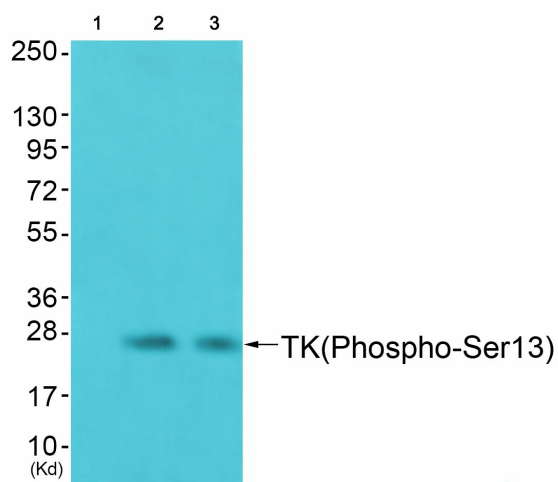
Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1:500~1:3000, IHC: 1:50~1:100, ELISA: 1:5000
Reactivity:	Human, Mouse
Modifications:	Phospho-specific
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The antiserum was produced against synthesized phosphopeptide derived from human TK around the phosphorylation site of serine 13 (P-G-SP-P-S).
Formulation:	Phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration:	lot specific
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	thymidine kinase 1
Database Link:	NP_003249 Entrez Gene 21877 Mouse Entrez Gene 7083 Human P04183
Synonyms:	TK2
Note:	TK (Phospho-Ser13) antibody detects endogenous levels of TK only when phosphorylated at serine 13.
Protein Families:	Druggable Genome, Stem cell - Pluripotency
Protein Pathways:	Drug metabolism - other enzymes, Metabolic pathways, Pyrimidine metabolism



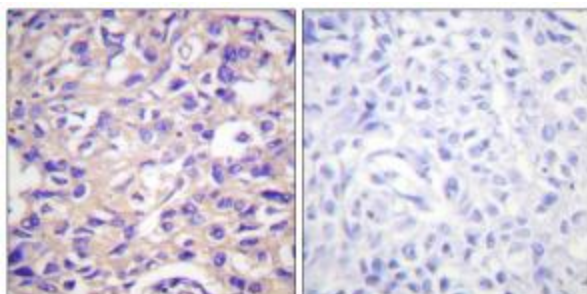
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Product images:


Western blot analysis of extracts from HeLa cells, treated with paclitaxel (1uM, 24hours), using TK (Phospho-Ser13) antibody. The lane on the right is treated with the synthesized peptide.



Western blot analysis of extracts from JK cells (Lane 2) and A549 cells (Lane 3), using TK (Phospho-Ser13) Antibody. The lane on the left is treated with synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using TK (Phospho-Ser13) antibody. The picture on the right is treated with the synthesized peptide.