

Anti-Thymidine Kinase 1 (Phospho-S13) Antibody

Catalog #	Source	Reactivity	Applications
CPA5862	Rabbit	H, M, R, B	WB, IH
Description	Rabbit polyclonal antibody to Thymidine Kinase 1 (Phospho-S13)		
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S13 of human Thymidine Kinase 1 protein. The exact sequence is proprietary.		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of Thymidine Kinase 1 protein only when phosphorylated at S13.		
Clonality	Polyclonal		
Conjugation			
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
Dilution	WB (1/500 - 1/1000), IH (1/50 - 1/200)		
Gene Symbol	TK1		
Alternative Names	Thymidine kinase cytosolic		
Entrez Gene	7083 (Human); 21877 (Mouse); 24834 (Rat)		
SwissProt	P04183 (Human); P04184 (Mouse); P27158 (Rat)		
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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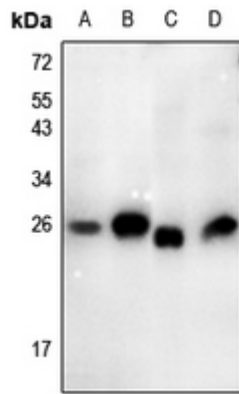
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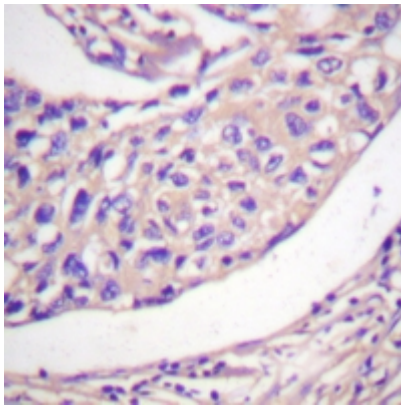
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Product Data Sheet



Western blot analysis of Thymidine Kinase 1 (Phospho-S13) expression in A375 (A), HCT116 (B), Myla2059 (C), Jurkat (D) whole cell lysates. (Predicted band size: 25 kD; Observed band size: 25 kD)



Immunohistochemical analysis of Thymidine Kinase 1 (Phospho-S13) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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