

Product datasheet for **TA302069**

PLK2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1:1000, IHC: 1:50~100
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This PLK2 (SNK) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 375-406 amino acids from the C-terminal region of human PLK2 (SNK).
Formulation:	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	78236 Da
Gene Name:	polo like kinase 2
Database Link:	NP_006613 Entrez Gene 20620 Mouse Entrez Gene 83722 Rat Entrez Gene 10769 Human Q9NYY3



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Background:

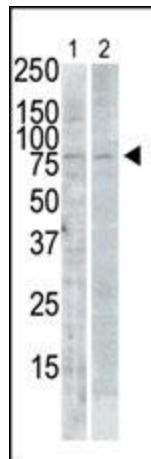
Plks (polo-like kinases) encode serine/threonine kinases that are closely related to polo and CDC5, genes that are required for passage through mitosis in *Drosophila* and *Saccharomyces*, respectively. Polo-like kinases, which include Plk, Snk (for serum-inducible kinase, also designated Plk2) and Fnk (for FGF-inducible kinase, also designated Plk3 or PRK), play a role in cell proliferation. Plk protein accumulates in the cell during S and G2 phases of the cell cycle, and both protein content and catalytic activity peak at the onset of mitosis, followed by a rapid reduction after mitosis. Snk and Fnk are immediate-early response genes that are first expressed during G1 phase. SNK may play a role in the division of at least some cell types, such as fibroblasts, and could function in embryogenesis, wound healing or neoplasia SNK mRNA is rapidly induced in human lung fibroblasts upon reintroduction of serum following 36 hours of serum deprivation.

Synonyms:

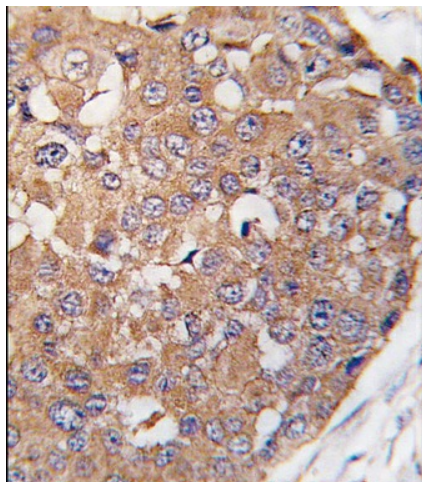
hPlk2; hSNK; SNK

Protein Families:

Druggable Genome, Protein Kinase

Product images:

The anti-SNK C-term Pab (Cat. #TA302069) is used in Western blot to detect SNK in PMA-treated Pam212 cell lysate (lane 1) and rat testis tissue lysate (lane 2).



Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with SNK Antibody (C-term) (Cat.#TA302069), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.