

bs-5599R**[Primary Antibody]****phospho-TNIK (Ser769) Rabbit pAb****BioSS**
ANTIBODIES

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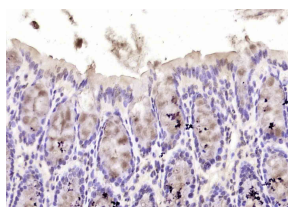
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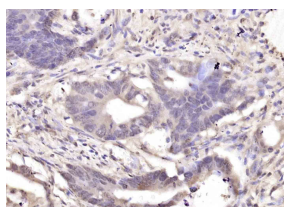
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
Clonality: Polyclonal		
GeneID: 23043	SWISS: Q9UKE5	
Target: TNIK (Ser769)		Reactivity: Human, Mouse, Rat (predicted: Pig, Cow, Dog, Horse)
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human TNIK around the phosphorylation site of Ser769: EG(p-S)PV.		
Purification: affinity purified by Protein A		Predicted MW.: 150 kDa
Concentration: 1mg/ml		Subcellular Location: Cytoplasm ,Nucleus
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: TNIK is a MSN protein kinase that interacts with both TNF receptor-associated factor 2 (TRAF2) and the adapter protein NCK. The protein has been shown to activate the c-Jun N-terminal kinase pathway when over expressed in Phoenix-A cells. TNIK has been shown to phosphorylate gelsolin, the principal intracellular and extracellular actin-severing protein, in vitro. This and evidence from mutational studies suggest that TNIK functions in the regulation of the cytoskeleton. Northern analysis indicates TNIK expression in human heart, skeletal muscle, and brain, with lower levels of expression in kidney, liver, lung, and pancreas. ESTs have been isolated from human tissue libraries, including normal amnion, gallbladder and skin.		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (mouse colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-TNIK (Ser769)) Polyclonal Antibody, Unconjugated (bs-5599R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-TNIK (Ser769)) Polyclonal Antibody, Unconjugated (bs-5599R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=3.4]** Zhang Ruqian. et al. Therapeutic targeting of TNIK in papillary thyroid carcinoma: a novel approach for tumor growth suppression. MED ONCOL. 2024 Jun;41(6):1-12 WB ;Human. 38763968