

TNIK Polyclonal Antibody

Catalog No :	YN0299
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	TNIK
Gene Name :	TNIK KIAA0551
Protein Name :	TRAF2 and NCK-interacting protein kinase (EC 2.7.11.1)
Human Gene Id :	23043
Human Swiss Prot No :	Q9UKE5
Mouse Swiss Prot No :	P83510
Immunogen :	Synthesized peptide derived from human protein . at AA range: 350-430
Specificity :	TNIK Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	149kD

Background : Germinal center kinases (GCKs), such as TNIK, are characterized by an N-terminal kinase domain and a C-terminal GCK domain that serves a regulatory function (Fu et al., 1999 [PubMed 10521462]).[supplied by OMIM, Mar 2008],

Function : catalytic activity:ATP + a protein = ADP + a phosphoprotein.,function:Stress-activated serine/threonine kinase that may play a role in the response to environmental stress. Appears to act upstream of the JUN N-terminal pathway. May play a role in cytoskeletal regulation.,similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily.,similarity:Contains 1 CNH domain.,similarity:Contains 1 protein kinase domain.,subunit:Interacts with TRAF2 and NCK.,tissue specificity:Expressed ubiquitously. Highest levels observed in heart, brain and skeletal muscle.,

Subcellular Location : Nucleus. Cytoplasm. Recycling endosome. Cytoplasm, cytoskeleton. Associated with recycling endosomes and the cytoskeletal fraction upon RAP2A overexpression.

Expression : Expressed ubiquitously. Highest levels observed in heart, brain and skeletal muscle. Expressed in normal colonic epithelia and colorectal cancer tissues.

Products Images