

TNIK (Phospho-Ser764) Antibody

Catalog No: #C05872

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Description

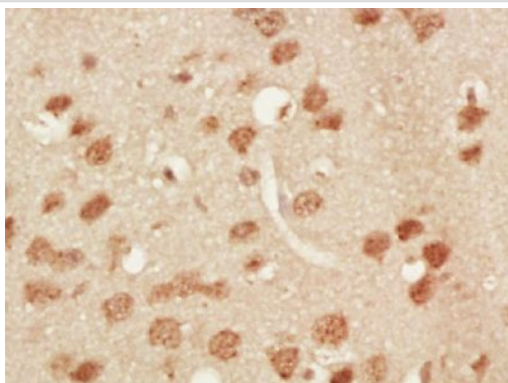
Product Name	TNIK (Phospho-Ser764) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IHC-P, IF(IHC-P)
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic phosphopeptide derived from human TNIK around the phosphorylation site of Ser764
Target Name	TNIK
Modification	Phospho-Ser764
Other Names	TRAF2 and NCK-interacting protein kinase; TNIK; KIAA0551
Accession No.	Swiss-Prot#:Q9UKE5NCBI Gene ID:23043
Cell Localization	Cytoplasm, Nucleus
Concentration	1mg/ml
Formulation	Aqueous buffered solution containing 1% BSA, 50% glycerol and 0.09% sodium azide.
Storage	Store at 4°C for 12 months.

Application Details

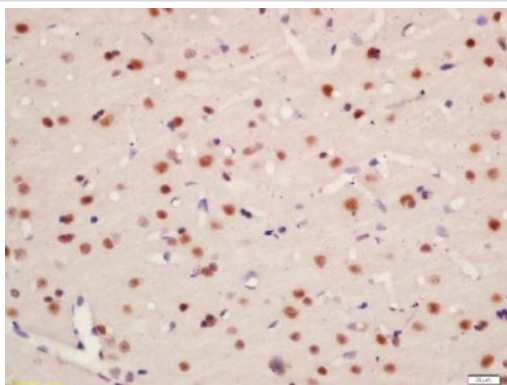
IHC: 1:100-500

IF: 1:50-200

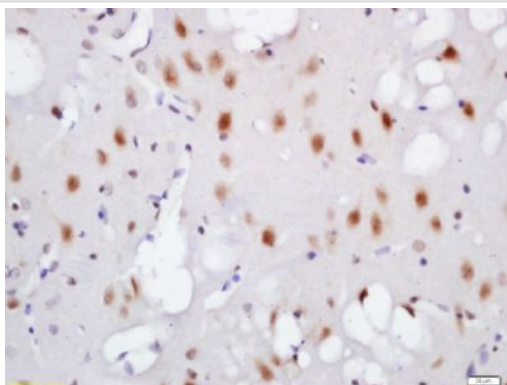
Images



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 (Ser764)) Polyclonal Antibody, Unconjugated (C05872) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody for 20 minutes and DAB staining.



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer at 37°C for 20 min; Incubation: Anti-phospho-TNIK (Ser764) Polyclonal Antibody, Unconjugated(C05872) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining



Tissue/cell: mouse brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer at 37°C for 20 min; Incubation: Anti-phospho-TNIK (Ser764) Polyclonal Antibody, Unconjugated(C05872) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining

Background

Serine/threonine kinase that acts as an essential activator of the Wnt signaling pathway. Recruited to promoters of Wnt target genes and required to activate their expression. May act by phosphorylating TCF4/TCF7L2. Appears to act upstream of the JUN N-terminal pathway. May play a role in the response to environmental stress. Part of a signaling complex composed of NEDD4, RAP2A and TNIK which regulates neuronal dendrite extension and arborization during development. More generally, it may play a role in cytoskeletal rearrangements and regulate cell spreading. Phosphorylates SMAD1 on Thr-322.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.