

Rabbit anti-Human, Mouse TNIK Polyclonal Antibody | anti-TNIK antibody

TNIK (S764) Antibody

CATALOG # AAA290926	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

TNIK; Polyclonal Antibody; TNIK (S764) Antibody; TRAF2 and NCK-interacting protein kinase; 2.7.11.1; KIAA0551; anti-TNIK antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	This TNIK(S764) antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between amino acids from the human region of human TNIK(S764).
Purity/Purification	Purified through a protein A column, followed by peptide affinity purification.
Form/Format	Supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Length	1352
Applicable Applications for anti-TNIK antibody	ELISA, WB (Western Blot)
Antigen Type	Synthesized Peptide
Antigen Source	Human
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

Dilution: WB - 1:500 All lanes: Anti-TNIK(S764) Antibody at 1:500 dilution Lane 1: Human brain lysate Lane 2: Caco2 whole cell lysate Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 155 kDa Blocking/Dilution buffer: 5% NFDm/TBST.



WB (Western Blot)

Dilution: WB - 1:500 All lanes: Anti-TNIK(S764) Antibody at 1:500 dilution Lane 1: Human brain tissue lysate Lane 2: Caco2 whole cell lysate Lane 3: U-2 OS whole cell lysate Lane 4: U-251 MG whole cell lysate Lane 5: Mouse brain tissue lysate Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 155 kDa Blocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-TNIK antibody	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.
Product Categories/Family for anti-TNIK antibody	Signal Transduction
References	Fu C.A.,et al.J. Biol. Chem. 274:30729-30737(1999). Nagase T.,et al.DNA Res. 5:31-39(1998). Nakajima D.,et al.DNA Res. 9:99-106(2002). Ota T.,et al.Nat. Genet. 36:40-45(2004). Muzny D.M.,et al.Nature 440:1194-1198(2006).

NCBI AND UNIPROT INFORMATION

NCBI GI #	239735580
NCBI GeneID	23043
NCBI Accession #	NP_001155032.1
NCBI GenBank Nucleotide #	NM_001161560.2
UniProt Accession #	Q9UKE5
Molecular Weight	154943 Da
NCBI Official Full Name	TRAF2 and NCK-interacting protein kinase isoform 2
NCBI Official Synonym Full Names	TRAF2 and NCK interacting kinase
NCBI Official Symbol	TNIK
NCBI Official Synonym Symbols	MRT54
NCBI Protein Information	TRAF2 and NCK-interacting protein kinase
UniProt Protein Name	TRAF2 and NCK-interacting protein kinase
UniProt Gene Name	TNIK
UniProt Synonym Gene Names	KIAA0551
UniProt Entry Name	TNIK_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.