ELK Biotechnology

TNKS1 rabbit pAb

Cat No.:ES11215

For research use only

Overview

Product Name	TNKS1 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	WB 1:500-2000 ELISA 1:5000-20000
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	TNKS1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20℃. Avoid repeated freeze-thaw cycles.
Protein Name	Tankyrase-1 (TANK1) (EC 2.4.2.30) (ADP-ribosyltransferase diphtheria toxin-like 5) (ARTD5) (Poly [ADP-ribose] polymerase 5A) (TNKS-1) (TRF1-interacting ankyrin-related ADP-ribose polymerase) (Tankyras
Gene Name	TNKS PARP5A PARPL TIN1 TINF1 TNKS1
Cellular localization	Cytoplasm . Golgi apparatus membrane ; Peripheral membrane protein . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Nucleus, nuclear pore complex . Chromosome, telomere . Cytoplasm, cytoskeleton, spindle pole . Associated with the Golgi and with juxtanuclear SLC2A4/GLUT4-vesicles (PubMed:22864114). A minor proportion is also found at nuclear pore complexes and around the pericentriolar matrix of mitotic centromeres (PubMed:10523501). During interphase, a small fraction of TNKS is found in the nucleus, associated with TERF1 (PubMed:12768206). Localizes to spindle poles at mitosis onset via interaction with NUMA1 (PubMed:12080061). .

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Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	145kD
Human Gene ID	8658
Human Swiss-Prot Number	O95271
Alternative Names	
Background	catalytic activity:NAD(+) + (ADP-D-ribosyl)(n)-acceptor = nicotinamide + (ADP-D-ribosyl)(n+1)-acceptor.,function:May regulate vesicle trafficking and modulate the subcellular distribution of SLC2A4/GLUT4-vesicles. Has PARP activity and can modify TERF1, and thereby contribute to the regulation of telomere length.,PTM:ADP-ribosylated (-auto).,PTM:Phosphorylated on serine residues by MAPK kinases upon insulin stimulation.,similarity:Contains 1 PARP catalytic domain.,similarity:Contains 1 SAM (sterile alpha motif) domain.,similarity:Contains 15 ANK repeats.,subcellular location:Associated with the Golgi and with juxtanuclear SLC2A4/GLUT4-vesicles. A minor proportion is also found at nuclear pore complexes and around the pericentriolar matrix of mitotic centromeres. During interphase, a small fraction of TNKS is found in the nucleus, associated with TERF1.,subunit:Oligomerizes and associates with TNKS2. Interacts with the cytoplasmic domain of LNPEP/Otase in SLC2A4/GLUT4-vesicles. Binds to the N-terminus of telomeric TERF1 via the ANK repeats. Found in a complex with POT1; TERF1 and TINF2.,tissue specificity:Ubiquitous; highest levels in testis.,

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