

TNKS2 Rabbit pAb

CatalogNo: YN2396

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, ELISA

MW

- 128kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Synthesized peptide derived from human protein . at AA range: 950-1030

Specificity

TNKS2 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name

TNKS2 PARP5B TANK2 TNKL

Protein Name Tankyrase-2 (TANK2) (ADP-ribosyltransferase diphtheria toxin-like 6) (ARTD6) (Poly [ADP-ribose] polymerase 5B) (TNKS-2) (TRF1-interacting ankyrin-related ADP-ribose polymerase 2) (Tankyrase II) (Tankyrase-like protein) (Tankyrase-related protein)

Organism	Gene ID	UniProt ID
Human	80351 ;	Q9H2K2 ;
Mouse		Q3UES3 ;

Cellular Localization Cytoplasm. Golgi apparatus membrane; Peripheral membrane protein. Nucleus. Chromosome, telomere . Associated with the Golgi and with juxtanuclear SLC2A4/GLUT4-vesicles. Also found around the pericentriolar matrix of mitotic centromeres. During interphase, a small fraction of TNKS2 is found in the nucleus, associated with TRF1.

Tissue specificity Highly expressed in placenta, skeletal muscle, liver, brain, kidney, heart, thymus, spinal cord, lung, peripheral blood leukocytes, pancreas, lymph nodes, spleen, prostate, testis, ovary, small intestine, colon, mammary gland, breast and breast carcinoma, and in common-type meningioma. Highly expressed in fetal liver, heart and brain.

Function 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 TRF1, and thereby contribute to the regulation of telomere length.,PTM:ADP-ribosylated (-auto).,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. Also found around the pericentriolar matrix of mitotic centromeres. During interphase, a small fraction of TNKS2 is found in the nucleus, associated with TRF1.,subunit:Oligomerizes and associates with TNKS. Interacts with the cytoplasmic domain of LNPEP/Otase in SLC2A4/GLUT4-vesicles. Binds to the N-terminus of Grb14 and TRF1 with its ankyrin repeat region.,tissue specificity:Highly expressed in placenta, skeletal muscle, liver, brain, kidney, heart, thymus, spinal cord, lung, peripheral blood leukocytes, pancreas, lymph nodes, spleen, prostate, testis, ovary, small intestine, colon, mammary gland, breast and breast carcinoma, and in common-type meningioma. Highly expressed in fetal liver, heart and brain.,

Validation Data

Contact information

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