

Datasheet for ABIN7171496
anti-TNKS antibody (AA 35-130)

3 Images

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Overview

Quantity:	100 µg
Target:	TNKS
Binding Specificity:	AA 35-130
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TNKS antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Tankyrase-1 protein (35-130AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	TNKS
Alternative Name:	TNKS (TNKS Products)
Background:	Background: Poly-ADP-ribosyltransferase involved in various processes such as Wnt signaling pathway, telomere length and vesicle trafficking. Acts as an activator of the Wnt signaling

Target Details

pathway by mediating poly-ADP-ribosylation (PARsylation) of AXIN1 and AXIN2, 2 key components of the beta-catenin destruction complex: poly-ADP-ribosylated target proteins are recognized by RNF146, which mediates their ubiquitination and subsequent degradation. Also mediates PARsylation of BLZF1 and CASC3, followed by recruitment of RNF146 and subsequent ubiquitination. Mediates PARsylation of TERF1, thereby contributing to the regulation of telomere length. Involved in centrosome maturation during prometaphase by mediating PARsylation of HEPACAM2/MIK1. May also regulate vesicle trafficking and modulate the subcellular distribution of SLC2A4/GLUT4-vesicles. May be involved in spindle pole assembly through PARsylation of NUMA1. Stimulates 26S proteasome activity.

Aliases: ADP-ribosyltransferase diphtheria toxin-like 5 antibody, OTTHUMP00000115550 antibody, OTTHUMP00000224675 antibody, PARP 5a antibody, PARP5A antibody, PARPL antibody, pART5 antibody, Poly [ADP-ribose] polymerase 5A antibody, TANK 1 antibody, TANK1 antibody, Tankyrase 1 antibody, Tankyrase I antibody, Tankyrase TRF1 interacting ankyrin related ADP ribose polymerase antibody, Tankyrase-1 antibody, Tankyrase1 antibody, Tankyrasel antibody, TIN 1 antibody, TIN1 antibody, TINF 1 antibody, TINF1 antibody, TNKS 1 antibody, TNKS antibody, TNKS-1 antibody, TNKS1 antibody, TNKS1_HUMAN antibody, TRF1 interacting ankyrin related ADP ribose polymerase antibody, TRF1-interacting ankyrin-related ADP-ribose polymerase antibody

UniProt: [O95271](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:200-1:500, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

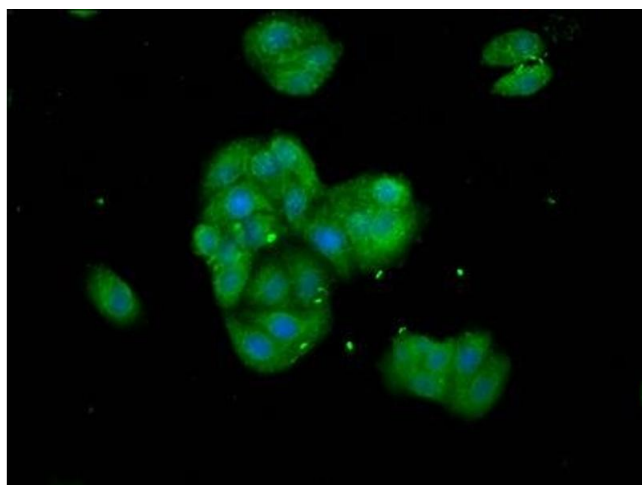
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Handling

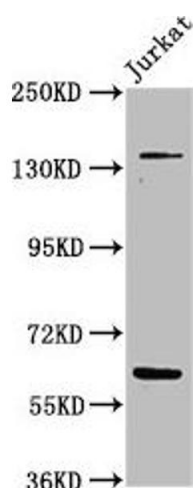
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



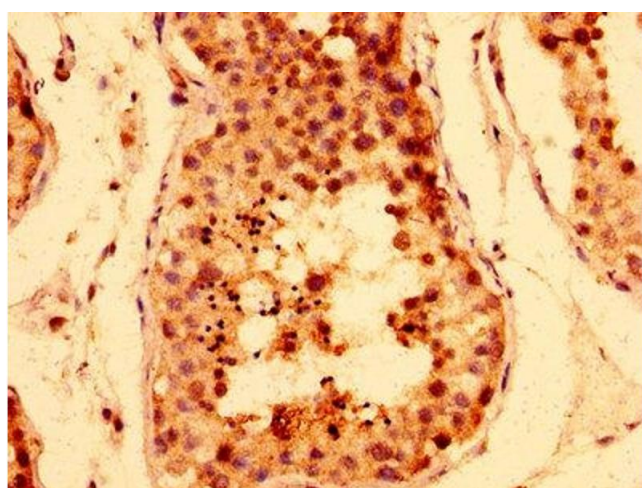
Immunofluorescence

Image 1. Immunofluorescence staining of HepG2 cells with ABIN7171496 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Western Blotting

Image 2. Western Blot Positive WB detected in: Jurkat whole cell lysate All lanes: TNKS antibody at 4.8 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 143, 68 kDa Observed band size: 143, 68 kDa



Immunohistochemistry

Image 3. IHC image of ABIN7171496 diluted at 1:400 and staining in paraffin-embedded human testis tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.