

DATASHEET

Tankyrase Rabbit Polyclonal Antibody

CAT. NO. APA17143

KEY FEATURES

Target	Tankyrase	Source / Host	Rabbit
Reactivity	Human, Mouse	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

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 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/MIKI .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

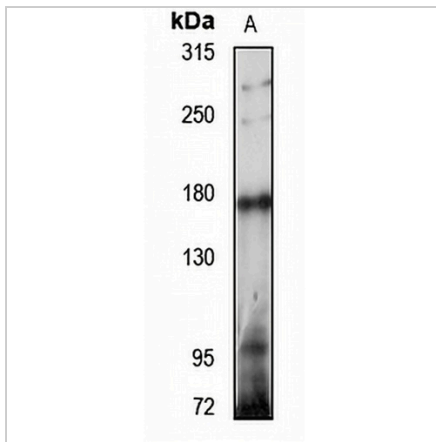
Description	Rabbit polyclonal antibody to Tankyrase
Specificity	Recognizes endogenous levels of Tankyrase protein
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide of human Tankyrase. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 67; Observed: 179 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	PARP5A; PARPL; TIN1; TINF1; TNKS1; Tankyrase-1; TANK1; ADP-ribosyltransferase diphtheria toxin-like 5; ARTD5; Poly [ADP-ribose] polymerase 5A; TNKS-1; TRF1-interacting ankyrin-related ADP-ribose polymerase; Tankyrase I
Gene Symbol	TNKS
Entrez Gene	8658(Human); 21951(Mouse)
SwissProt	O95271(Human); Q6PFX9(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of Tankyrase expression in U251MG (A) whole cell lysates.
(Predicted band size: 67; 142 kD; Observed band size: 179 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.