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Datasheet for ABIN1400860

## anti-Tankyrase antibody (AA 1140-1171) (Alexa Fluor 488)

### Overview

Quantity:	100 µL
Target:	Tankyrase
Binding Specificity:	AA 1140-1171
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Tankyrase antibody is conjugated to Alexa Fluor 488
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Tankyrase
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

### Target Details

Target:	Tankyrase
Abstract:	<a href="#">Tankyrase Products</a>
Background:	Synonyms: TIN1, ARTD5, PARPL, TINF1, TNKS1, pART5, PARP5A, PARP-5a, Tankyrase-1, TANK1, ADP-ribosyltransferase diphtheria toxin-like 5, Poly [ADP-ribose] polymerase 5A, TNKS-

## Target Details

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1, TRF1-interacting ankyrin-related ADP-ribose polymerase, Tankyrase I, TNKS

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/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.

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Gene ID: 8658

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UniProt: [O95271](#)

## Application Details

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Application Notes: IF(IHC-P) 1:50-200

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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

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Storage: -20 °C

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months