

Tankyrase 2 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58658**Specification****Tankyrase 2 Polyclonal Antibody - Product Information**

Application	IHC-P
Primary Accession	O9H2K2
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	126918

Tankyrase 2 Polyclonal Antibody - Additional Information**Gene ID** 80351**Other Names**

Poly [ADP-ribose] polymerase tankyrase-2, 2.4.2.30, ADP-ribosyltransferase diphtheria toxin-like 6, ARTD6, Poly [ADP-ribose] polymerase 5B, Protein poly-ADP-ribosyltransferase tankyrase-2, 2.4.2.-, TNKS-2, TRF1-interacting ankyrin-related ADP-ribose polymerase 2, Tankyrase II, Tankyrase-2, TANK2, Tankyrase-like protein, Tankyrase-related protein, TNKS2 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=15677)
target="_blank">HGNC:15677)

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Tankyrase 2 Polyclonal Antibody - Protein Information**Name** TNKS2 ([HGNC:15677](#))**Function**

Poly-ADP-ribosyltransferase involved in various processes such as Wnt signaling pathway, telomere length and vesicle trafficking (PubMed:[11739745](http://www.uniprot.org/citations/11739745), PubMed:[11802774](http://www.uniprot.org/citations/11802774), PubMed:[19759537](http://www.uniprot.org/citations/19759537), PubMed:[21478859](http://www.uniprot.org/citations/21478859), PubMed:[23622245](http://www.uniprot.org/citations/23622245), PubMed:[25043379](http://www.uniprot.org/citations/25043379)). Acts as an activator of the Wnt signaling pathway by mediating poly-ADP-ribosylation 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

(PubMed:19759537, PubMed:21478859). Also mediates poly-ADP-ribosylation of BLZF1 and CASC3, followed by recruitment of RNF146 and subsequent ubiquitination (PubMed:21478859). Mediates poly-ADP-ribosylation of TERF1, thereby contributing to the regulation of telomere length (PubMed:11739745). Stimulates 26S proteasome activity (PubMed:23622245).

Cellular Location

Cytoplasm. Golgi apparatus membrane; Peripheral membrane protein. Nucleus. Chromosome, telomere Note=Associated with the Golgi and with juxtannuclear 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 Location

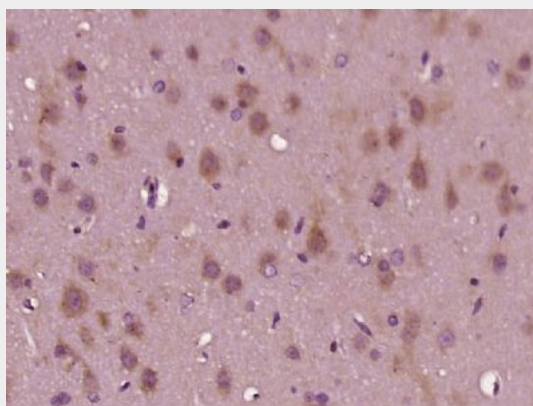
Highly expressed in placenta, skeletal muscle, liver, brain, kidney, heart, thymus, spinal cord, lung, peripheral blood leukocytes, pancreas, lymph nodes, spleen, prostate, testis, ovary, small intestine, colon, mammary gland, breast and breast carcinoma, and in common-type meningioma. Highly expressed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

Tankyrase 2 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Tankyrase 2 Polyclonal Antibody - Images



Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Tankyrase 2) Polyclonal Antibody, Unconjugated (bs-7389R) at 1:400 overnight at 4°C, followed

by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.