

# Product Datasheet

## Tankyrase 1 Antibody NB100-186SS

Unit Size: 0.025 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Updated 6/8/2021 v.20.1

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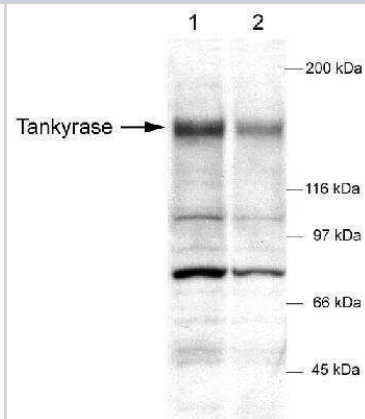
**NB100-186SS**

## Tankyrase 1 Antibody

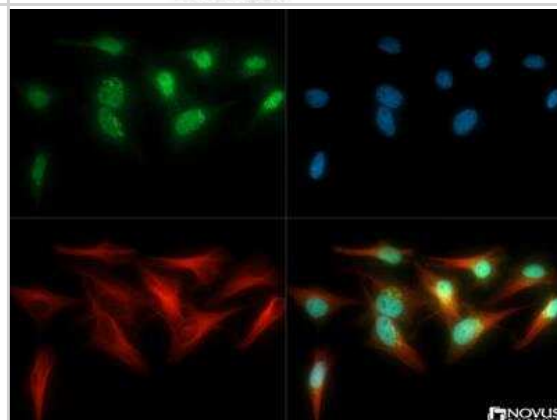
Product Information	
Unit Size	0.025 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Glycine and 0.15M NaCl
Product Description	
Host	Rabbit
Gene ID	8658
Gene Symbol	TNKS
Species	Human
Immunogen	A synthetic peptide made to a region of human Tankyrase within residues 250-350 [UniProt# O95271]. The actual peptide sequence is proprietary.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/Immunofluorescence
Recommended Dilutions	Western Blot 1:500-1:1000, Immunocytochemistry/Immunofluorescence 1:250-1:500
Application Notes	This Tankyrase antibody is useful for Immunocytochemistry/Immunofluorescence and Western blot, where it recognizes an endogenous band at ~150 kDa in whole cell extract and a band at ~180 kDa in baculovirus-derived his-tagged protein.

## Images

Western Blot: Tankyrase 1 Antibody [NB100-186] - Detection of tankyrase in DU145 whole cell lysates (50 ug) using NB 100-186. ECL detection - 30 seconds. Lane 1 - 1:500 primary dilution Lane 2 - 1:2,000 primary dilution



Immunocytochemistry/Immunofluorescence: Tankyrase 1 Antibody [NB100-186] - Tankyrase antibody was tested in HeLa cells with Dylight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and Dylight 550 (red).



## Procedures

### Western Blot Protocol for Tankyrase Antibody (NB100-186)

Tankyrase 1 Antibody: [https://www.novusbio.com/products/tankyrase-1-antibody\\_nb100-186](https://www.novusbio.com/products/tankyrase-1-antibody_nb100-186)

#### Western Blot Protocol

1. Perform SDS-PAGE (3-8%) on samples to be analyzed, loading 50ug of total protein per lane.
2. Transfer proteins to Nitrocellulose according to the instructions provided by the manufacturer of the transfer apparatus.
3. Stain the blot using ponceau S for 1-2 minutes to access the transfer of proteins onto the nitrocellulose membrane. Rinse the blot in water to remove excess stain and mark the lane locations and locations of molecular weight markers using a pencil.
4. Rinse the blot in TBS for approximately 5 minutes.
5. Block the membrane using 5% non-fat dry milk plus 1% BSA in TBS for 1.5 hours.
6. Dilute the rabbit anti-Tankyrase primary antibody (NB 100-186) in blocking buffer and incubate 2 hours at room temperature.
7. Wash the membrane in water for 5 minutes and apply the diluted rabbit-IgG HRP-conjugated secondary antibody in blocking buffer (as per manufacturer's instructions) and incubate 1 hour at room temperature.
8. Wash the blot in TBS containing 0.05-0.1% Tween-20 for 10-20 minutes.
9. Wash the blot in type I water for an additional 10-20 minutes (this step can be repeated as required to reduce background).
10. Apply the detection reagent of choice in accordance with the manufacturer's instructions (Amersham's ECL is the standard reagent used at Novus Biologicals).

Note: Tween-20 can be added to the blocking buffer at a final concentration of 0.05-0.2%, provided it does not interfere with antibody-antigen binding.





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
novus@novusbio.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: technical@novusbio.com  
Orders: orders@novusbio.com  
General: novus@novusbio.com

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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