

Anti-TNKS1 Recombinant Mouse Monoclonal Antibody

Store at 2°C to 8°C (short-term), or -20°C (long-term)

Catalog Number 730101

Pub. No. MAN0007642 Rev. 1.00

Clonality: Monoclonal	Quantity: 100 µg	Volume: 200 µL	Concentration: 0.5 mg/mL
Host/Class: Mouse IgG	Reactivity: Human TNKS1	Predicted Reactivity: Human	

Product Description

Tankyrase-1 (TNKS1) is a poly-ADP-ribosyltransferase involved in modification of proteins involved in Wnt signaling, telomere regulation, cell division, and vesicle trafficking. It acts by mediating poly-ADP-ribosylation (PARsylation) of target proteins. In the Wnt pathway, AXIN1 and AXIN2 are PARsylated, resulting in ubiquitination and degradation. This results in inhibition of beta-catenin degradation, and promotes signaling. At the telomere, TNKS1 PARsylates the telomerase inhibitor TERF1, causing it to dissociate from the telomere and promote telomere elongation. It is involved in centrosome maturation and spindle pole assembly, and regulates the subcellular distribution of SLC2A4/GLUT4-vesicles.

This antibody was developed against a fully folded protein domain, so it does not show good reactivity against denatured proteins, and may not work in western blot applications.

Product Specifications

Immunogen:	Folded protein domain corresponding to amino acids 1106–1325 (catalytic domain) of human TNKS1.
Apparent MW:	142.0 kDa
Gene ID:	8658
Protein Accession No.:	O95271
Sequence Identity:	Human
Isotype:	IgG ₁
Lot:	See product label

Product Applications

Application	Species	Test Material	Concentration
Immunoprecipitation + Mass Spectrometry	Human	HEK293 cells	2 µg per IP

Storage and handling

Store the antibody at 2°C to 8°C for up to 1 month, or -20°C for long storage. Avoid repeated freezing and thawing.

Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

Storage Buffer

Phosphate buffered saline (PBS) with 0.09% sodium azide.



CAUTION! Sodium azide is extremely toxic and may react with lead and copper plumbing to form highly explosive metal azides. Properly dispose of solutions containing sodium azide. Read the Safety Data Sheet (SDS) and follow the handling instructions. Wear appropriate protective eyewear, clothing and gloves. SDSs are available at www.lifetechnologies.com/support.

Product Documentation

To obtain a Certificate of Analysis or Safety Data Sheet (SDS), visit <http://www.lifetechnologies.com/support>.








Limited product warranty

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Related Products

Product Name	Quantity	Catalog No.
iBlot® Dry Blotting System	1 unit	IB1001
WesternBreeze® Chromogenic Kit Anti-Rabbit	1 kit	WB7105
WesternBreeze® Chemiluminescent Kit, Anti-Rabbit	1 kit	WB7106
Goat anti-mouse (H+L), HRP conj.	1 mg	G21040
Goat anti-rabbit (H+L), HRP conj.	1 mg	G21234
Goat anti-mouse (H+L), AP conj.	1 mg	G21060
Goat anti-rabbit (H+L), AP conj.	1 mg	G21079
Streptavidin Agarose	5 mL	SA10004

Explanation of Symbols

Symbol	Description	Symbol	Description	Symbol	Description
	Manufacturer		Catalog number		Batch code
	Use by		Temperature limitation		
	Consult instructions for use		Caution, consult accompanying documents		

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