

Product Datasheet

TOR/mTOR Antibody 28130002

Unit Size: 0.05 mg

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

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28130002

TOR/mTOR Antibody

Product Information	
Unit Size	0.05 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	20mM Potassium Phosphate (pH 7.0) and 0.15M NaCl

Product Description	
Host	Rabbit
Gene ID	2475
Gene Symbol	MTOR
Species	Human
Reactivity Notes	Human.
Specificity/Sensitivity	This product is specific for Human FRAP1.
Immunogen	This antibody is specific for the C Terminus Region of the target protein.
Notes	Manufactured by SDIX's proprietary Genomic Antibody Technology™; GAT FAQs .

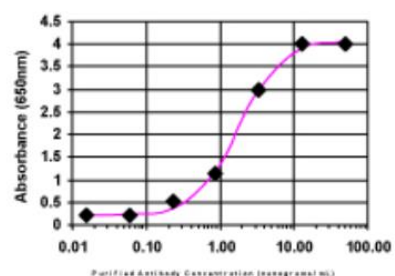
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:5000-1:20000, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:250-1:2000
Application Notes	This antibody is useful in Immunofluorescence (PMID: 21867682).



Images

ELISA: TOR/mTOR Antibody [28130002]

ELISA:



The affinity purified antibody was serially diluted onto an ELISA plate coated with a recombinant protein fragment.

Immunoprecipitation: TOR/mTOR Antibody [28130002] - Several commercially available antibodies which were generated using short peptides failed to isolate the FRAP1 protein complexes. SDI's FRAP1 (TOR/mTOR) antibody, 2813.00.02, was generated using in vivo expressed immunogen of 100 amino acids. It was used to pull down protein complexes through immunoprecipitation. It demonstrated that Rictor and Raptor formed the distinct complexes with FRAP (mTOR). The immunoprecipitation conditions were described in Sarbassov et al (Phosphorylation and regulation of Akt/PKB by the Rictor-mTOR complex, *Science* 307:1098-1101, 2005, supporting online material, material and methods). FRAP1 was detected in Western blot using FRAP1 antibody at 1:4000 dilution. The experiments were performed using MDA MB-435 human cancer cell line and NF2 was used as control.

Immunoprecipitation (IP)
using SDI's FRAP1 (mTOR) antibody



Publications

Garrison C, Lastwika K, Zhang Y et al. Proteomic Analysis, Immune Dysregulation and Pathway Interconnections with Obesity. *Journal of Proteome Research* Oct 21 2016 12:00AM [PMID: 27769113] (MiAr)

Details:

TOR/mTOR Antibody used in microarray creation

Rho JH, Lampe PD. High-throughput screening for native autoantigen-autoantibody complexes using antibody microarrays. *Journal of Proteome Research* May 3 2014 12:00AM [PMID: 23541305] (MiAr)

Details:

Anti-TOR/mTOR used in screening array

Boulbes DR, Shaiken T, Sarbassov DD. Endoplasmic reticulum is a main localization site of mTORC2. *Biochem Biophys Res Commun*. 2011 Aug 16. [PMID: 21867682]



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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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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