

Product Datasheet

TOR/mTOR Antibody NB100-241

Unit Size: 100 ul

Store at 4C. Do not freeze.

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NB100-241

TOR/mTOR Antibody

Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

Product Description	
Host	Rabbit
Gene ID	2475
Gene Symbol	MTOR
Species	Human, Mouse, Rat
Specificity/Sensitivity	This is specific for Mammalian Target of Rapamycin (mTOR).
Immunogen	The immunogen recognized by this antibody maps to a region between residue 200 and 250 of human Mammalian Target of Rapamycin using the numbering given in entry NP_004949.1 (GeneID 2475).

Product Application Details	
Applications	Western Blot, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000 - 1:5000, Immunoprecipitation 2 - 10 ug/mg lysate
Application Notes	Western analysis: An overnight incubation at 4 degrees Celcius is recommended for primary antibody use. mTOR is ~235 kDa and optimally requires detergent and extended Western blotting transfer times. For example from 5% acrylamide gels to PVDF: 50V for 180 min. in CAPS buffer with 10% MeOH and 0.1% SDS was found to be optimal. Immunohistochemistry/Immunocytochemistry is not recommended. Please use NB100-240. Nuclear extracts are recommended.

Publications

Xu J, Gao M, Fan S et al. Effect of Akt inhibition on scatter factor-regulated gene expression in DU-145 human prostate cancer cells. *Oncogene* 2007-05-03 [PMID: 17099727]





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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.

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