

# Product Datasheet

## ATR Antibody NB100-322

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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**NB100-322**

ATR Antibody

Product Information	
Unit Size	0.1 mg
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)
Target Molecular Weight	301 kDa

Product Description	
Host	Rabbit
Gene ID	545
Gene Symbol	ATR
Species	Human, Mouse
Immunogen	The immunogen recognized by this antibody maps to a region between residues 1675 and 1725 of human Ataxia Telangiectasia and Rad3-related using the numbering given in entry NP_001175.1 (GeneID 545).
Notes	This antibody can be used as the primary antibody in a PLA assay with the following as secondary antibodies: NB100-305, NB100-55324, NB100-1803, NB100-224, NB100-41429, NB100-381, NB100-464, NB100-2241, NB500-158, NB100-2350, NB100-204, NB100-206, NB110-40543

Product Application Details	
Applications	Western Blot, Immunoprecipitation
Recommended Dilutions	Western Blot 1:15000-1:30000, Immunoprecipitation 2-5 ug/mg lysate

**Publications**

Mohni KN, Livingston CM, Cortez D et al. ATR and ATRIP are recruited to herpes simplex virus type 1 replication compartments even though ATR signaling is disabled. *J Virol* 2010-12-01 [PMID: 20861269]

Alberstein M, Amit M, Vaknin K et al. Regulation of transcription of the RNA splicing factor hSlu7 by Elk-1 and Sp1 affects alternative splicing. *RNA* 2007-11-01 [PMID: 17804646]

Yang YN, Chou KM, Pan W et al. Enhancement of non-homologous end joining DNA repair capacity confers cancer cells resistance to the novel selenophene compound, D-501036 *Cancer Lett* 2011-10-01 [PMID: 21684680] (WB, Human)

Singh, R et al. Silibinin suppresses in vivo growth of human prostate carcinoma PC-3 tumor xenograft. *Carcinogenesis*;28(12):2567-74. 2007-12-01 [PMID: 17916909]

Tyagi, A et al. Silibinin activates p53-caspase 2 pathway and causes caspase-mediated cleavage of Cip1/p21 in apoptosis induction in bladder transitional-cell papilloma RT4 cells: evidence for a regulatory loop between p53 and caspase 2. *Carcinogenesis*;27(11):2269-80. 2006-11-01 [PMID: 16777994]

Li R, Yang Y-G, Gao Y et al. A distinct response to endogenous DNA damage in the development of Nbs1-deficient cortical neurons. *Cell Research*. 2012-01-03 [PMID: 22212482]





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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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