Product Datasheet

ATR Antibody (1E9) - Azide and BSA Free H00000545-M03

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00000545-M03

ATR Antibody (1E9) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1E9
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	545
Gene Symbol	ATR
Species	Human, Rat, Hamster
Reactivity Notes	Rat reactivity reported in scientific literature (PMID: 29396668). Hamster reported in scientific literature (PMID: 23451157).
Specificity/Sensitivity	ATR - ataxia telangiectasia and Rad3 related (1E9)
Immunogen	ATR (NP_001175, 2545 a.a. ~ 2644 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. DQREPLMSVLKTFLHDPLVEWSKPVKGHSKAPLNETGEVVNEKAKTHVLDIEQ RLQGVIKTRNRVTGLPLSIEGHVHYLIQEATDENLLCQMYLGWTPYM
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:100-1:2000, ELISA, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	Antibody reactivity Against Recombinant Protein with GST tag on ELISA. GST tag alone is used as a negative control. It has been used for IHC-P. WB usage was reported in scientific literature. WB reported in scientific literature (PMID: 23451157). Use in Immunohistochemistry reported in scientific literature (PMID: 30746633).

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Images

Immunohistochemistry-Paraffin: ATR Antibody (1E9) [H00000545-M03] -Analysis of monoclonal antibody to ATR on formalin-fixed paraffinembedded human placenta. Antibody concentration 3 ug/ml



Publications

Savva C, De Souza K, Ali R et al. Clinicopathological significance of ataxia telangiectasia-mutated (ATM) kinase and ataxia telangiectasia-mutated and Rad3-related (ATR) kinase in MYC overexpressed breast cancers Breast Cancer Res. Treat. 2019-02-12 [PMID: 30746633] (IF/IHC, Human)

Al-Subhi N, Ali R, Abdel-Fatah T, Moseley PM. Targeting ataxia telangiectasia-mutated- and Rad3-related kinase (ATR) in PTEN-deficient breast cancers for personalized therapy. Breast Cancer Res. Treat. 2018-02-02 [PMID: 29396668] (Rat)

Abdel-Fatah Tm, Middleton Fk, Arora A et al. Untangling the ATR-CHEK1 network for prognostication, prediction and therapeutic target validation in breast cancer. Mol Oncol. 2014-11-06 [PMID: 25468710] (IHC-P, Human)

Abdel-Fatah TM, Perry C, Arora A et al. Is there a role for base excision repair in estrogen driven breast cancers? Antioxid. Redox Signal. 2014-08-11 [PMID: 25111287] (IHC-P, Human)

Details:

Rabbit polyclonal anti-APE1 antibody used for IHC on tissue microarray (TMAs) at a dilution of 1:500, incubated for 1 hour. Citrate buffer (pH6.0) was used as an antigen retrieval reagent (Table 3).

Sultana R, Abdel-Fatah T, Perry C et al. Ataxia Telangiectasia Mutated and Rad3 Related (ATR) Protein Kinase Inhibition Is Synthetically Lethal in XRCC1 Deficient Ovarian Cancer Cells. PLoS One 2013-01-01 [PMID: 23451157] (WB, Hamster)

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Products Related to H00000545-M03

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-76547PEP	ATR Recombinant Protein Antigen

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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