Datasheet for ABIN7467985

anti-ATR antibody (AA 710-1100)

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Overview

Quantity:	100 µL
Target:	ATR
Binding Specificity:	AA 710-1100
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ATR antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunocytochemistry (ICC), Immunofluorescence (IF), Functional Studies (Func)

Product Details

Immunogen:	Recombinant fragment, corresponding to amino acids 710-1100 of Human ATR.
Clone:	2B5
Isotype:	IgG1
Cross-Reactivity:	Human, Mouse
Purification:	Protein G purified

Target Details

Target:	ATR
Alternative Name:	ATR serine/threonine kinase (ATR Products)

Target Details

Background:	Synonyms: ATR serine/threonine kinase , FCTCS , FRP1 , MEC1 , SCKL , SCKL1 Background: The protein encoded by this gene is a serine/threonine kinase and DNA damage sensor, activating cell cycle checkpoint signaling upon DNA stress. The encoded protein can phosphorylate and activate several proteins involved in the inhibition of DNA replication and mitosis, and can promote DNA repair, recombination, and apoptosis. This protein is also important for fragile site stability and centrosome duplication. Defects in this gene are a cause of Seckel syndrome 1. [provided by RefSeq, Aug 2017]
Molecular Weight:	301 kDa
Gene ID:	545
UniProt:	Q13535
Pathways:	p53 Signaling, Apoptosis, DNA Damage Repair, Positive Regulation of Response to DNA Damage Stimulus

Application Details

Application Notes:	WB: 1:500-1:3000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: Raji , Raji nuclear extract Validation: Orthogonal
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS, No Preservative
Preservative:	Without preservative
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.