



Datasheet for ABIN7193431
anti-ATR antibody (AA 366-550)



[Go to Product page](#)

4 Images

Overview

Quantity:	0.1 mg
Target:	ATR
Binding Specificity:	AA 366-550
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human ATR (AA: 366-550) expressed in E. coli.
Clone:	3G6D2
Isotype:	IgG1
Purification:	purified

Target Details

Target:	ATR
Alternative Name:	ATR (ATR Products)
Background:	Description: 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

Target Details

important for fragile site stability and centrosome duplication. Defects in this gene are a cause of Seckel syndrome 1.

Aliases: FRP1, MEC1, SCKL, FCTCS, SCKL1

Molecular Weight: 301 kDa

Gene ID: 545

Pathways: [Positive Regulation of Response to DNA Damage Stimulus](#)

Application Details

Application Notes: WB:1:500 - 1:2000, FCM:1:200 - 1:400, ELISA:1:10000,

Restrictions: For Research Use only

Handling

Buffer: Purified antibody in PBS with 0.05 % sodium azide

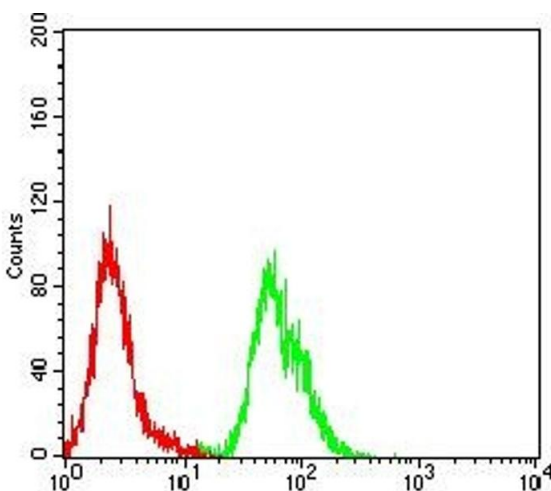
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

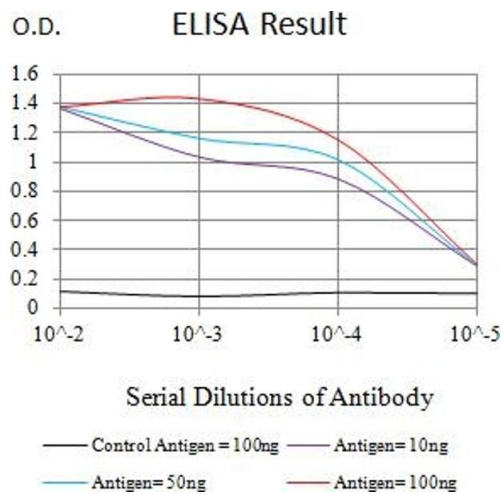
Storage Comment: 4°C, -20°C for long term storage

Images



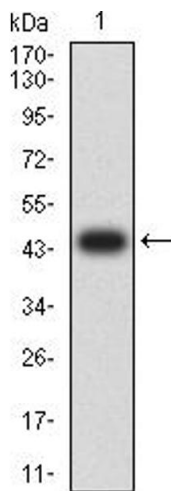
Flow Cytometry

Image 1. Flow cytometric analysis of HeLa cells using ATR mouse mAb (green) and negative control (red).



ELISA

Image 2. Black line: Control Antigen (100 ng), Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng)



Western Blotting

Image 3. Western blot analysis using ATR mAb against human ATR (AA: 366-550) recombinant protein. (Expected MW is 47 kDa)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7193431.