

**Product Name: ATR Mouse Monoclonal Antibody****Catalog #: AMM82304**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	ELISA,FC
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	ELISA 1:5000-1:20000,FC 1:200-1:400
<b>Molecular Weight</b>	301kDa

**Antigen Information**

<b>Gene Name</b>	ATR
<b>Alternative Names</b>	FRP1; MEC1; SCKL; FCTCS; SCKL1
<b>Gene ID</b>	545.0
<b>SwissProt ID</b>	Q13535
<b>Immunogen</b>	Purified recombinant fragment of human ATR (AA: 366-550) expressed in E. Coli.

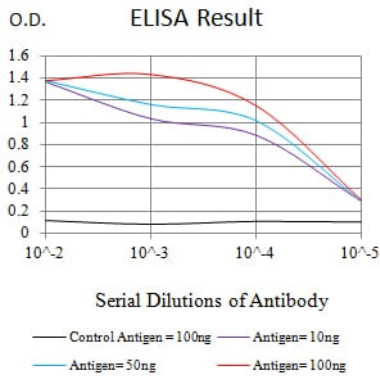
**Background**

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

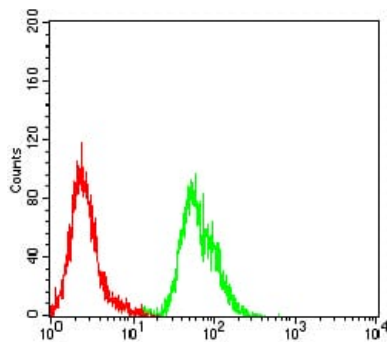
fragile site stability and centrosome duplication. Defects in this gene are a cause of Seckel syndrome 1.

## Research Area

## Image Data



Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



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