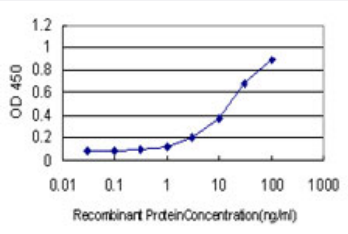
ATR monoclonal antibody (M01), clone 3F2

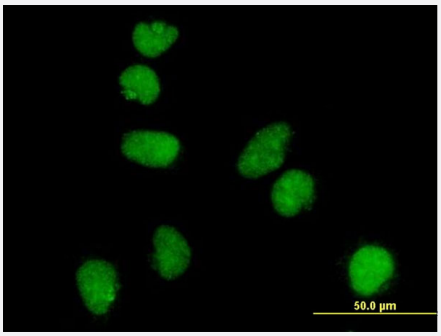
Catalog # H00000545-M01 Size 100 ug

Applications



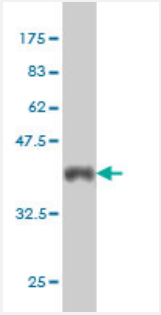
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ATR is approximately 0.3ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to ATR on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ATR.

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.
Sequence	DQREPLMSVLKTFLHDPLVEWSKPVKGHSKAPLNETGEVVNEKAKTHVLDIEQRLQGVIKTRNRV TGLPLSIEGHVHYLIQEATDENLLCQMYLGWTPYM
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (100); Rat (99)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

  Protocol Download

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged ATR is approximately 0.3ng/ml as a capture antibody.

  Protocol Download

- ELISA

- Immunofluorescence

  Immunofluorescence of monoclonal antibody to ATR on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — ATR

Entrez GeneID	545
GeneBank Accession#	NM_001184

Protein Accession#	NP_001175
Gene Name	ATR
Gene Alias	FRP1, MEC1, SCKL, SCKL1
Gene Description	ataxia telangiectasia and Rad3 related
Omim ID	210600 601215
Gene Ontology	Hyperlink
Other Designations	FRAP-related protein-1|MEC1, mitosis entry checkpoint 1, homolog|Rad3 related protein|ataxia telangiectasia and Rad3 related protein|protein kinase ATR

Pathway

- Cell cycle
- p53 signaling pathway

Disease

- Adenocarcinoma
- Ataxia telangiectasia
- Atherosclerosis
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Cleft Lip
- Cleft Palate
- Colon cancer
- Colonic Neoplasms
- Coronary Disease
- DNA Damage

- Endometrial Neoplasms
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Hypertension
- Hypertrophy
- Kidney Failure
- Lung Neoplasms
- Microsatellite Instability
- Myocardial Infarction
- Neoplasms
- Ovarian cancer
- Ovarian Neoplasms
- Pancreatic cancer
- Pancreatic Neoplasms
- Werner syndrome