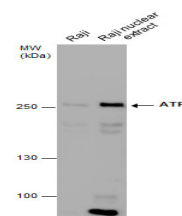


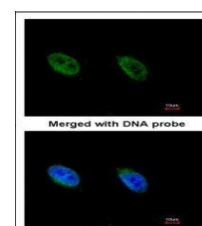
Product Datasheet

ATR antibody [2B5] GRP84

Description	Ataxia Telangiectasia Mutated (ATM) and Rad3-related (ATR) protein is a member of the phosphatidylinositol 3-kinase (PI 3-kinase) like family of protein kinases. ATR has a predicted molecular mass of approximately 301 kDa, and it has been shown to be involved in cellular responses to DNA damage. Specifically, it plays a role in checkpoint activation in response to either the presence of stalled replication forks, or by the presence of lesions caused by UV light. Inactivation of ATR is an embryonic lethal event in mice.
Species/Host	Mouse
Reactivity	Human, Mouse
Conjugation	Unconjugated
Tested Applications	FA, ICC, IF, IP, WB
Immunogen	Recombinant fragment, corresponding to amino acids 710-1100 of Human ATR.
Form/Appearance	Liquid: PBS
Concentration	1 mg/ml
Storage	Store as concentrated solution. Centrifuge briefly prior to opening. 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.
Note	For research use only.
Isotype	IgG1
Clonality	Monoclonal
Purity	Protein G purified
Clone ID	2B5
Uniprot ID	Q13535
Entrez	545
Dilution Range	WB: 1:500-1:3000



Raji whole cell and nuclear extracts (30 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with ATR antibody (GRP536) diluted at 1:500. The HRP-conjugated anti-mouse IgG antibody was used to detect the primary antibody.



Immunofluorescence analysis of HeLa, using ATR (GRP536) antibody at 1:100 dilution.