Anti-ATM Mouse mAb

Purified Mouse Monoclonal Antibody

Catalog # M013236

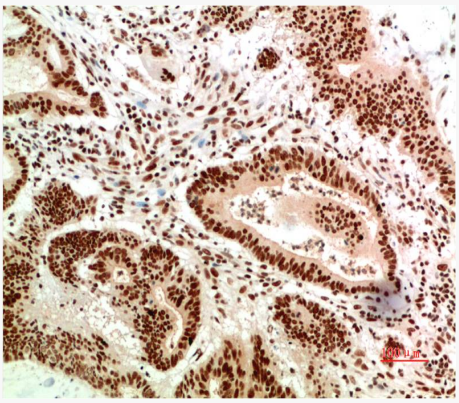
Product Information

Application	IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Rat, Mouse (Cell)
Dilution	IHC-P 1:50~1:100
Host	Mouse
Clonality	Monoclonal
Clone No.	13K68M26
Isotype	IgG1
Label	Unconjugated
Immunogen	Synthetic peptide conjugated to KLH.
Format	Buffer System: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-ATM antibody [13K68M26] is for research use only and not for use in diagnostic or therapeutic procedures.

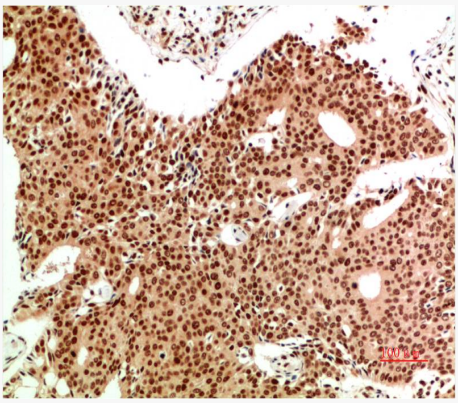
Protein Information

Synonyms	ATM, Serine-protein kinase ATM, Ataxia telangiectasia mutated, A-T mutated.
Uniprot ID	Q13315
Gene ID	472
Background	The protein encoded by this gene belongs to the PI3/PI4-kinase family. This protein is an important cell cycle checkpoint kinase that phosphorylates; thus, it functions as a regulator of a wide variety of downstream proteins, including tumor suppressor proteins p53 and BRCA1, checkpoint kinase CHK2, checkpoint proteins RAD17 and RAD9, and DNA repair protein NBS1. This protein and the closely related kinase ATR are thought to be master controllers of cell cycle checkpoint signaling pathways that are required for cell response to DNA damage and for genome stability.

Validation Images



Immunohistochemistry analysis of paraffin-embedded Human Colon Carcinoma Tissue using ATM antibody [13K68M26]. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunohistochemical analysis of paraffin-embedded Human tonsils using ATM antibody [13K68M26]. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.