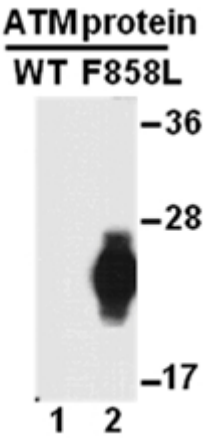
ATM(F858L)

ATM(F858L)

Cat. #: 26141
Gene Symbol: ATM
Description: Anti-ATM(F858L) Mouse Monoclonal Antibody
Background: Ataxia telangiectasia mutated (ATM) is a serine/threonine protein kinase that is recruited and activated by DNA double-strand breaks. It phosphorylates several key proteins that initiate activation of the DNA damage checkpoint, leading to cell cycle arrest, DNA repair or apoptosis. Activity of ATM protein is under tight control, and mutation of ATM can cause disease such as Ataxia telangiectasia (AT) and cancers.
Immunogen: A synthetic peptide from the internal region of ATM which includes the mutation of F858L, human origin.
Applications: ELISA, WB, IHC
Recommended Dilutions:
ELISA: 1:1000-1:5000
WB: 1:100-1:1000
IHC: 1:50-1:100
Concentration: 1 mg/ml
Host Species: Mouse
Format: Liquid
Clonality: Monoclonal
Isotype: IgG
Purity: Purified from ascites
Preservative: No
Constituents: PBS (without Mg^{2+} and Ca^{2+}), pH 7.4, 150 mM NaCl, 50% glycerol
Species Reactivity: Recognizes ATM(F858L), but not wild type ATM protein from vertebrates.
Storage Conditions: Store at -20°C. Avoid repeated freezing and thawing

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC APPLICATIONS

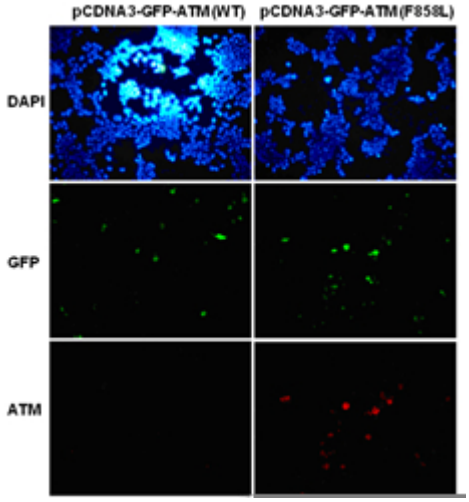
Western blot:



WB: Anti-ATM (F858L) mAb

Western blot analysis of recombinant ATM(F858L) and wild type proteins. Purified His-tagged ATM(F858L) protein (amino acids 2400-3056, lane 2) and corresponding wild type protein (lane 1) were blotted with Anti-ATM(F858L) mouse monoclonal antibody (Cat. #26141).

Immunofluorescence:



Immunofluorescence of cells expressing ATM(F858L) protein with anti-ATM(F858L) antibody. HEK293T cells were transfected with pCDNA3-GFP-ATM (WT) plasmid (left column) or pCDNA3-GFP-ATM(F858L) plasmid (right column), then fixed and stained with Anti-ATM(F858L) monoclonal antibody (Cat. #26141).

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC APPLICATIONS