ATM Recombinant Antibody

RACO0152

Product Information

Size:

50ul

Reactivity:

Human

Source:

Human

Isotype:

Rabbit IgG

Applications:

ELISA, WB, IHC, IP

Recommended dilutions:

WB:1:500-1:5000, IHC:1:50-1:200, IP:1:200-1:1000

Protein Background:

Serine/threonine protein kinase which activates checkpoint signaling upon double strand breaks (DSBs), apoptosis and genotoxic stresses such as ionizing ultraviolet A light (UVA), thereby acting as a DNA damage sensor. Recognizes the substrate consensus sequence [ST]-Q. Phosphorylates 'Ser-139' of histone variant H2AX/H2AFX at double strand breaks (DSBs), thereby regulating DNA damage response mechanism. Also plays a role in pre-B cell allelic exclusion, a process leading to expression of a single immunoglobulin heavy chain allele to enforce clonality and monospecific recognition by the B-cell antigen receptor (BCR) expressed on individual B-lymphocytes.

Gene ID:

ATM

Uniprot

Q13315

Synonyms:

Serine-protein kinase ATM, Ataxia telangiectasia mutated, A-T mutated, ATM

Immunogen:

A synthesized peptide derived from human ATM.

Storage:

Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

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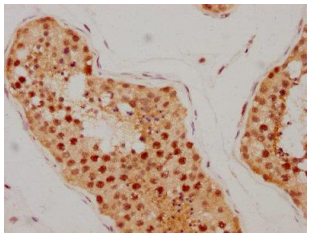
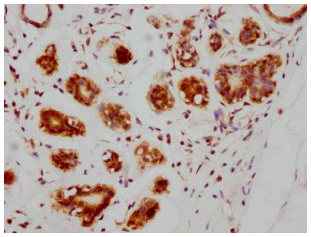
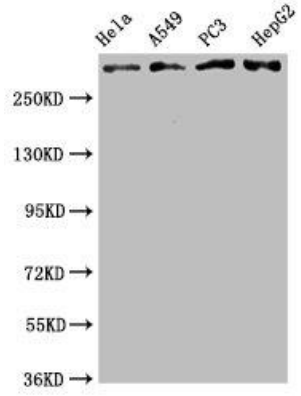
Product Images



IHC image of RACO0152 diluted at 1:205 and staining in paraffin-embedded human testis tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC image of RACO0152 diluted at 1:205 and staining in paraffin-embedded human breast cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Western Blot
Positive WB detected in(Hela whole cell lysate) A549 whole cell lysate) PC3 whole cell lysate) HepG2 whole cell lysate) All lanes: ATM antibody at 2.05µg/ml
Secondary
Goat polyclonal to rabbit IgG at 1:50000 dilution
Predicted band size: 350 KDa
Observed band size: 350 KDa

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