



ATM (Phospho-Ser1981) Antibody

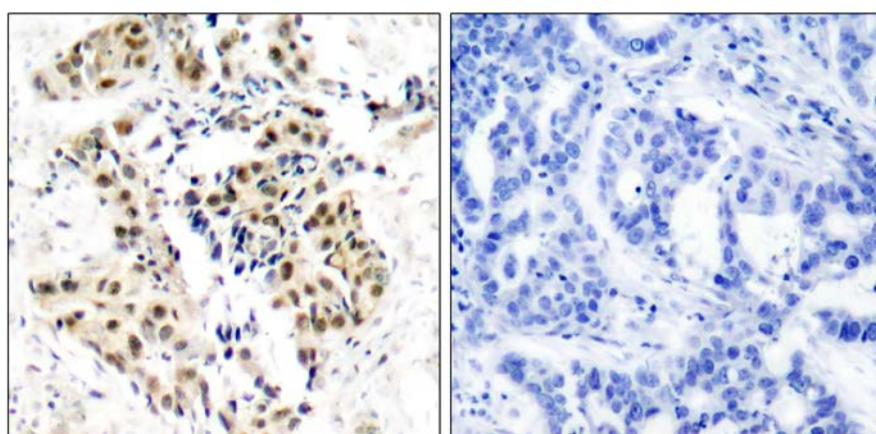
E011122

Catalog Number: E011122-1, E011122-2**Amount:** 50µg/50µl, 100µg/100µl**Swiss-Prot No.:** Q13315**All Names:** A-T, mutated, Ataxia telangiectasia mutated, Ataxia telangiectasia mutated homolog, Serine-protein kinase ATM, kinase ATM**All Sites:** Human: Ser1981; Mouse: Ser1987**Form of Antibody:** Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.**Storage/Stability:** Store at -20°C/1 year**Immunogen:** The antiserum was produced against synthesized phosphopeptide derived from human ATM around the phosphorylation site of serine 1981 (E-G-S^P-Q-S).**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.**Specificity/Sensitivity:** ATM (phospho-Ser1981) antibody detects endogenous levels of ATM only when phosphorylated at serine 1981.**Reactivity:** Human, Mouse**Applications:** IHC: 1:50~1:100**References:** Gupta A. et al. (2005) Mol Cell Biol. 25(12): 5292-5305.

Bernstein JL. et al. (2002) Breast Cancer Res. 4(6): 249-252.

Silverman J. et al. (2004) Genes Dev. 18(17): 2108-2119.

Nakada D. et al. (2003) Nucleic Acids Res. 31(6): 1715-1724.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ATM (phospho-Ser1981) antibody (E011122).