



WEE1 (Phospho-Ser53) Antibody

E11-8199A**Catalog Number:** E11-8199A**Concentration:** 1mg/ml**Swiss-Prot No.:** P30291**Other Names:** EC 2.7.10.2; kinase WEE1; Wee1-like protein kinase; WEE1A; WEE1hu**All Sites:** Human: Ser53; Mouse: Ser52; Rat: Ser52**Storage/Stability:** Store at -20°C/1 year**Form of Antibody:** Rabbit IgG in phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.**Immunogen:** The antiserum was produced against synthesized phosphopeptide derived from human WEE1 around the phosphorylation site of serine 53 (E-D-S^P-A-F).**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using

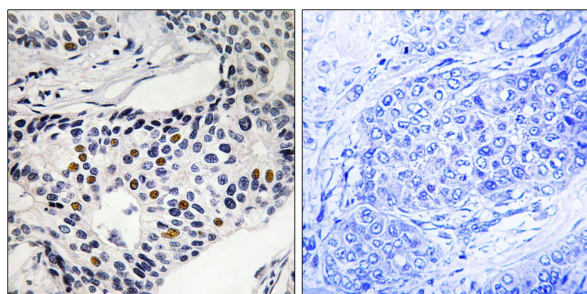
epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

Specificity: WEE1 (Phospho-Ser53) antibody detects endogenous levels of WEE1 only when phosphorylated at serine 53.**Reactivity:** Human (Identities = 100%, Positives = 100%);
Mouse (Identities = 100%, Positives = 100%);
Rat (Identities = 100%, Positives = 100%)**Applications:** WB: 1:500~1:2000 IHC: 1:50~1:100
ELISA: 1:20000**References:**

Cichutek A., Cytogenet. Cell Genet. 93:277-283(2001).

Lu R., J. Biol. Chem. 279:31164-31170(2004).

Beausoleil S.A., Proc. Natl. Acad. Sci. U.S.A. 101:12130-12135(2004).

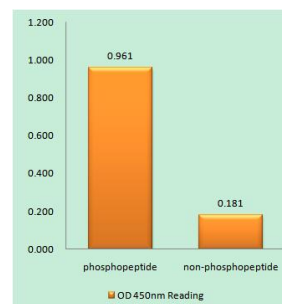


P-peptide

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Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using WEE1 (Phospho-Ser53) antibody.



WEE1 (Phospho-Ser53) antibody reacts with epitope-specific phosphopeptide and corresponding non-phosphopeptide. The absorbance readings at 450 nM are shown in the ELISA figure.

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