# BRCA1(Phospho-Ser1457) Antibody

#14140

**Catalog Number:** 14140-1, 14140-2

**Amount:** 50μg/50μl, 100μg/100μl

**Swiss-Prot No. :**P38398

**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℃/1 year

**Immunogen:** The antiserum was produced against synthesized phosphopeptide derived from Human BRCA1 around the phosphorylation site of Sersine 1457

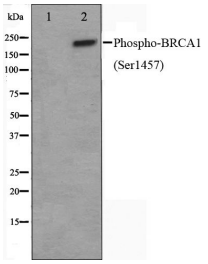
**Purification:**The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

**Specificity/Sensitivity:**Phospho-BRCA1 (Ser1457) Antibody detects endogenous levels of BRCA1 only when phosphorylated at Sersine1457

**Reactivity:** Human

**Applications:**

Predicted MW: 220kd WB:1:500~1:2000




Western blot analysis on 293 cell lysate using Phospho-BRCA1(Ser1457) Antibody

**Background** :This gene encodes a nuclear phosphoprotein that plays a role in maintaining genomic stability and acts as a tumor suppressor. The encoded protein combines with other tumor suppressors, DNA damage sensors, and signal transducers to form a large multi-subunit protein complex known as BASC for BRCA1-associated genome surveillance complex. This gene product associates with RNA polymerase II, and through the C-terminal domain, also interacts with histone deacetylase complex. This protein thus plays a role in transcription, DNA repair of double-stranded breaks, and recombination. Mutations in this gene are responsible for approximately 40% of inherited breast cancers and more than 80% of inherited breast and ovarian cancers. Alternative splicing plays a role in modulating the subcellular localization and physiological function of this gene. Many alternatively spliced transcript variants have been described for this gene but only some have had their full-length natures identified.