

Phospho-BRCA1 (Ser1423) Antibody



PACO24311

Product Information

Size:

100ul

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:500-1:1000,
IHC:1:50-1:100

Protein Background:

The BRCA1-BARD1 heterodimer coordinates a diverse range of cellular pathways such as DNA damage repair, ubiquitination and transcriptional regulation to maintain genomic stability. Acts by mediating ubiquitin E3 ligase activity that is required for its tumor suppressor function. Plays a central role in DNA repair by facilitating cellular response to DNA repair. Required for appropriate cell cycle arrests after ionizing irradiation in both the S-phase and the G2 phase of the cell cycle. Involved in transcriptional regulation of P21 in response to DNA damage. Required for FANCD2 targeting to sites of DNA damage. May function as a transcriptional regulator. Inhibits lipid synthesis by binding to inactive phosphorylated ACACA and preventing its dephosphorylation.

Gene ID:

BRCA1

Uniprot

P38398

Synonyms:

RNF53

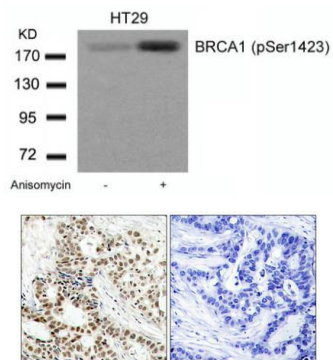
Immunogen:

Peptide sequence around phosphorylation site of serine 1423 (H-G-S(p)-Q-P) derived from Human BRCA1.

Storage:

Supplied at 1.0mg/mL in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Product Images



Western blot analysis of extracts from HT29 cells untreated or treated with Anisomycin using BRCA1(Phospho-Ser1423) Antibody.

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using BRCA1(Phospho-Ser1423) Antibody(left) or the same antibody preincubated with blocking peptide(right).