Datasheet for ABIN756637

anti-BRCA1 antibody (pSer1189)

1 Image

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Overview

Quantity:	100 µL
Target:	BRCA1
Binding Specificity:	pSer1189
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BRCA1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human BRCA1 around the phosphorylation site of Ser1189
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	BRCA1
Alternative Name:	BRCA1 (BRCA1 Products)

Target Details

Background:	Synonyms: BRCA1 phospho Ser1189, BRCA1 phospho S1189, p-BRCA1 phospho S1189, BRCA 1, BRCA1, BRCA1/BRCA2 containing complex subunit 1, BRCA1/BRCA2-containing complex, subunit 1, BRCA1_HUMAN, BRCAI, BRAC 1, BRCA 1, BRCC 1, BRCC1, Breast Cancer 1, Breast Cancer 1 Early Onset, Breast cancer type 1 susceptibility protein, Breast and ovarian cancer susceptibility protein 1, Breast Ovarian Cancer Susceptibility, IRIS, Papillary Serous Carcinoma Of The Peritoneum, PSCP, RING finger protein 53, BROVCA1, IRIS, PNCA4, PPP1R53, Protein phosphatase 1 regulatory subunit 53, RNF53, BAP1. Background: This gene encodes a nuclear phosphoprotein that plays a role in maintaining genomic stability, and it also 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 the BRCA1-associated genome surveillance complex (BASC). This gene product associates with RNA polymerase II, and through the C-terminal domain, also interacts with histone deacetylase complexes. 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, some of which are disease-associated mutations, have been described for this gene, but the full-length natures of only some of these variants has been described. A related pseudogene, which is also located on chromosome 17, has been identified. [provided by RefSeq, May 2009].
Gene ID:	672
Pathways:	Cell Division Cycle, DNA Damage Repair, Intracellular Steroid Hormone Receptor Signaling Pathway, Positive Regulation of Response to DNA Damage Stimulus

Application Details

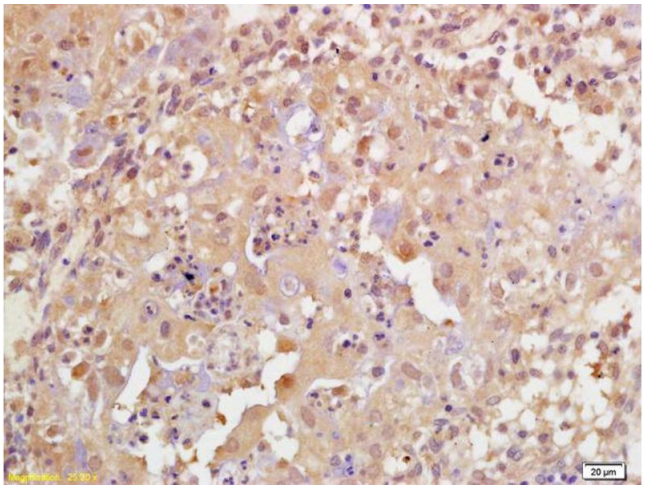
Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human breast carcinoma labeled with Rabbit Anti Phospho-BRCA1(Ser1189) Polyclonal Antibody, Unconjugated (ABIN756637) at 1:200 followed by conjugation to the secondary antibody and DAB staining