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Images



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Quantity:	100 μL
Target:	BRCA1
Binding Specificity:	AA 400-699
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BRCA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)
Product Details	
lmmunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 400-699 of human BRCA1 (NP_009230.2).
Sequence:	LDDRWYMHSC SGSLQNRNYP SQEELIKVVD VEEQQLEESG PHDLTETSYL PRQDLEGTPY LESGISLFSD DPESDPSEDR APESARVGNI PSSTSALKVP QLKVAESAQS PAAAHTTDTA GYNAMEESVS REKPELTAST ERVNKRMSMV VSGLTPEEFM LVYKFARKHH ITLTNLITEE TTHVVMKTDA EFVCERTLKY FLGIAGGKWV VSYFWVTQSI KERKMLNEHD FEVRGDVVNG RNHQGPKRAR ESQDRKIFRG LEICCYGPFT NMPTGCPPNC GCAARCLDRG QWLPCNWADV
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

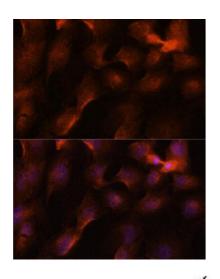
Target Details

Target:	BRCA1
Alternative Name:	BRCA1 (BRCA1 Products)
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.,BRCA1,BRCAI,BRCC1,BROVCA1,FANCS,IRIS,PNCA4,PPP1R53,PSCP,RNF53,Epigenetic
	& Nuclear Signaling,DNA Damage & Repair,Cancer,Tumor suppressors,Cell Biology &
	Developmental Biology,Cell Cycle,Centrosome,G2/M DNA Damage
	Checkpoint, Ubiquitin, Ubiquitin-Proteasome Signaling Pathway, BRCA1
Molecular Weight:	7 kDa/78-85 kDa/202-210 kDa
Gene ID:	672
UniProt:	P38398
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,1:500 - 1:2000,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only
Handling	
	Liquid

Handling

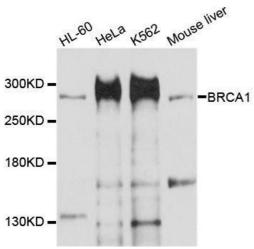
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



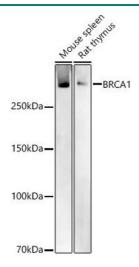
Immunofluorescence

Image 1. Immunofluorescence analysis of C6 cells using BRC antibody (1034) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using BRCA1 antibody.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using BRC antibody (1034) at 1:400 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

Please check the product details page for more images. Overall 4 images are available for ABIN6137644.