



# Rabbit Anti-Human BRCA2 (2800-3050) polyclonal Antibody (CABT-L6320)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	Human BRCA2
<b>Target</b>	Human BRCA2 (2800-3050)
<b>Immunogen</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 2800-3050 of BRCA2
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Rat
<b>Purification</b>	Affinity purification
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ICC/IF WB 1:500 - 1:1000 IF/ICC 1:50 - 1:200 Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	20 µL, 50 µL, 100 µL, 200 µL
<b>Buffer</b>	PBS with 0.01% thiomersal, 50% glycerol, pH7.3. May contain BSA. If BSA-free batch required,

please contact us.

<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	Inherited mutations in BRCA1 and this gene, BRCA2, confer increased lifetime risk of developing breast or ovarian cancer. Both BRCA1 and BRCA2 are involved in maintenance of genome stability, specifically the homologous recombination pathway for double-strand DNA repair. The BRCA2 protein contains several copies of a 70 aa motif called the BRC motif, and these motifs mediate binding to the RAD51 recombinase which functions in DNA repair. BRCA2 is considered a tumor suppressor gene, as tumors with BRCA2 mutations generally exhibit loss of heterozygosity (LOH) of the wild-type allele.
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## GENE INFORMATION

<b>Entrez Gene ID</b>	<a href="#">675</a>
<b>UniProt ID</b>	<a href="#">P51587</a>