

Rabbit anti-Human , Rat BRCA2 Polyclonal Antibody | anti-BRCA2 antibody

BRCA2

CATALOG # AAA10700	HOST Rabbit	REACTIVITY Human , Rat	APPLICATIONS Western Blot, Immunofluorescence
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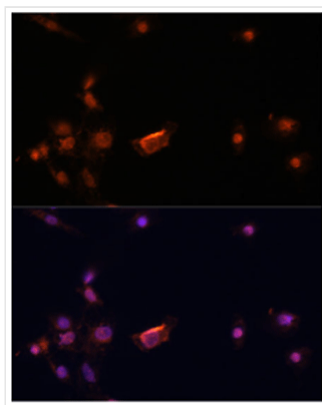
PRODUCT SYNONYMS

BRCA2; Polyclonal Antibody; anti-BRCA2 antibody

PRODUCT SPECIFICATIONS

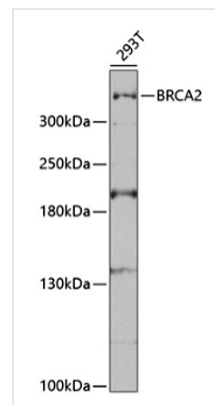
Host	Rabbit
Reactivity	Human , Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Sequence Length	3418
Applicable Applications for anti-BRCA2 antibody	WB (Western Blot), IF (Immunofluorescence)
Application Notes	WB: 1:500 - 1:2000 IF: 1:50 - 1:200
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-300 of human BRCA2 (NP_000050.2)
Species Reactivity/Cross Reactivity	Human, Rat
Preparation and Storage	Store at -20°C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using BRCA2 antibody (AAA10700) at dilution of 1:100. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of 293T cells, using BRCA2 antibody (AAA10700) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-BRCA2 antibody	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.
Product Categories/Family for anti-BRCA2 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	14424438
NCBI GeneID	675
UniProt Accession #	P51587; O00183; O15008; Q13879; Q5TBJ7
Molecular Weight	Observed MW: 384 kDa Calculated MW: 384 kDa
NCBI Official Full Name	Breast cancer type 2 susceptibility protein
NCBI Official Synonym Full Names	breast cancer 2, early onset
NCBI Official Symbol	BRCA2
NCBI Official Synonym Symbols	FAD; FACD; FAD1; GLM3; BRCC2; FANCD; PNCA2; FANCD1; XRCC11; BROVCA2
NCBI Protein Information	breast cancer type 2 susceptibility protein; Fanconi anemia group D1 protein; breast cancer 2 tumor suppressor; BRCA1/BRCA2-containing complex, subunit 2; breast and ovarian cancer susceptibility gene, early onset
UniProt Protein Name	Breast cancer type 2 susceptibility protein
UniProt Gene Name	BRCA2
UniProt Synonym Gene Names	FACD; FANCD1
UniProt Entry Name	BRCA2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.