

Datasheet for ABIN318412
anti-BRCA2 antibody (AA 2587-2601)



[Go to Product page](#)

Overview

Quantity:	1 mL
Target:	BRCA2
Binding Specificity:	AA 2587-2601
Reactivity:	Human, Rat, Mouse, Monkey, Cat, Dog, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BRCA2 antibody is un-conjugated
Application:	Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Synthetic peptide corresponding to amino acids 2587-2601 of the human BRCA2 precursor, conjugated to Keyhole Limpet Haemocyanin.
Sequence:	LIPSNDGKAG KEEFY
Isotype:	IgG
Specificity:	This antibody is specific for Breast Cancer Type 2 susceptibility protein (BRCA2), a tumour-suppressor protein reported to be involved in double-strand break repair, homologous recombination and S-phase checkpoint activation. Based on sequence similarity, is expected to react with: Mouse, Rat, Horse, Cat, Chimpanzee, Rhesus Monkey and Dog.
Purification:	Purified IgG prepared by affinity chromatography on Protein G

Target Details

Target:	BRCA2
Alternative Name:	BRCA2 / FANCD1 (BRCA2 Products)
Background:	BRCA 2 is localized to chromosome 13q12 - q13. Loss of heterozygosity of 13q is observed in 25 % of sporadic breast tumors, which indicates that BRCA 2 might be a tumor suppressor gene. BRCA 2 confers only a low ovarian cancer risk. Reportedly, in MCF-10F (normal breast epithelial cell line) and MCF-7 (breast cancer cell line) cells the expression of BRCA 2 RNA lowers in G0 and early G1 phases then gets up-regulated at the G1 / S phase junction. Synonyms: Breast cancer type 2 susceptibility protein, FANCD1, Fanconi anemia group D1 protein
Gene ID:	675
NCBI Accession:	NP_000050
UniProt:	P51587
Pathways:	DNA Damage Repair , M Phase , Maintenance of Protein Location

Application Details

Application Notes:	Immunohistochemistry on Frozen Sections. Immunohistochemistry on Paraffin Sections (1/25-1/100): This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	5.0 mg/mL
Buffer:	Phosphate buffered saline containing 0.09 % Sodium Azide as preservative.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing. Should this product contain a precipitate we recommend microcentrifugation before use.

Handling

Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.