

## BRCA2 Polyclonal Antibody

Catalog # AP68703

### Specification

#### BRCA2 Polyclonal Antibody - Product Information

Application	IHC
Primary Accession	<a href="#">P51587</a>
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal

#### BRCA2 Polyclonal Antibody - Additional Information

Gene ID 675

#### Other Names

BRCA2; FACD; FANCD1; Breast cancer type 2 susceptibility protein; Fanconi anemia group D1 protein

#### Dilution

IHC~~Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.

#### Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

#### Storage Conditions

-20°C

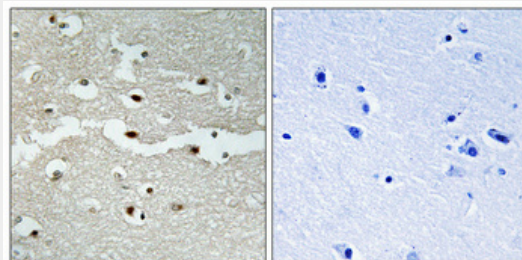
#### BRCA2 Polyclonal Antibody - Protein Information

**Name** BRCA2 ([HGNC:1101](#))

**Synonyms** FACD, FANCD1

#### Function

Involved in double-strand break repair and/or homologous recombination. Binds RAD51 and potentiates recombinational DNA repair by promoting assembly of RAD51 onto single-stranded DNA (ssDNA). Acts by targeting RAD51 to ssDNA over double-stranded DNA, enabling RAD51 to displace replication protein-A (RPA) from ssDNA and stabilizing RAD51- ssDNA filaments by blocking ATP hydrolysis. Part of



#### BRCA2 Polyclonal Antibody - Background

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#### **Cellular Location**

Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Note=Colocalizes with ERCC5/XPG to nuclear foci following DNA replication stress

#### **Tissue Location**

Highest levels of expression in breast and thymus, with slightly lower levels in lung, ovary and spleen

### **BRCA2 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)