

# Anti BRCA1 Antibody

Catalog No: tcsa21316



## Available Sizes

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**Size:** 100µl



## Specifications

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**Application:**

WB, IHC

**Species Reactivity:**

Human, Mouse, Rat

**Host Species:**

Rabbit

**Immunogen / Amino acids:**

A synthetic peptide of human BRCA1

**Conjugation:**

Unconjugated

**Clonality:**

Polyclonal

**Isotype:**

IgG

**Form:**

Liquid

**Storage Buffer:**

PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Recommended Dilution:**

WB 1:500 - 1:2000

IHC 1:50 - 1:200

**Storage Instruction:**

Store at -20C. Avoid freeze / thaw cycles.

**Alternative Names:**

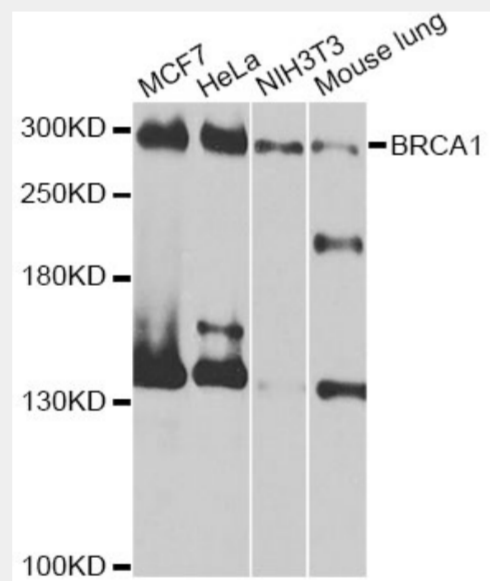
BRCA1 antibody; Breast cancer type 1 susceptibility protein antibody; BRCA1 antibody; RNF53 antibody

**SwissProt:**

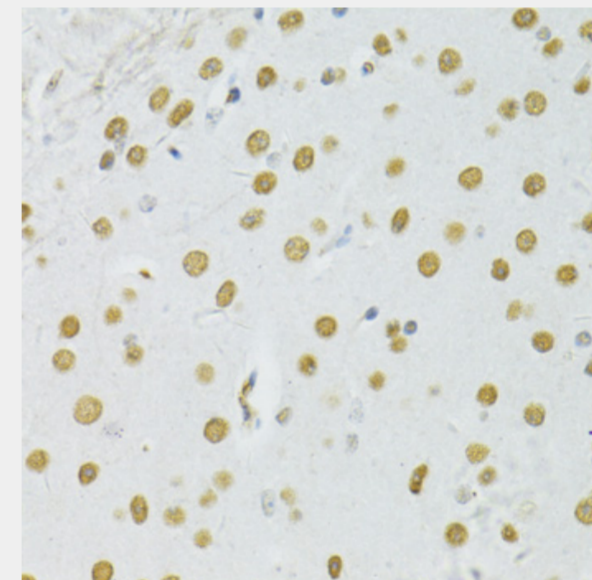
P38398

**Product Description**

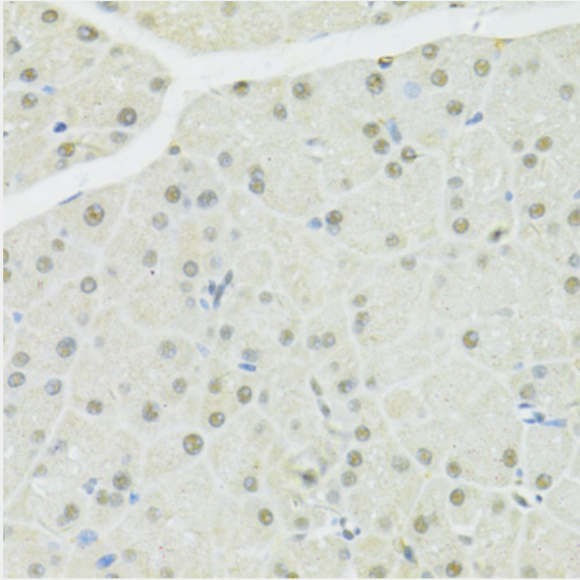
This gene encodes a nuclear phosphoprotein that plays a role in maintaining genomic stability, and it also acts as a tumor suppressor. The encoded protein combines with other tumor suppressors, DNA damage sensors, and signal transducers to form a large multi-subunit protein complex known as the BRCA1-associated 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.



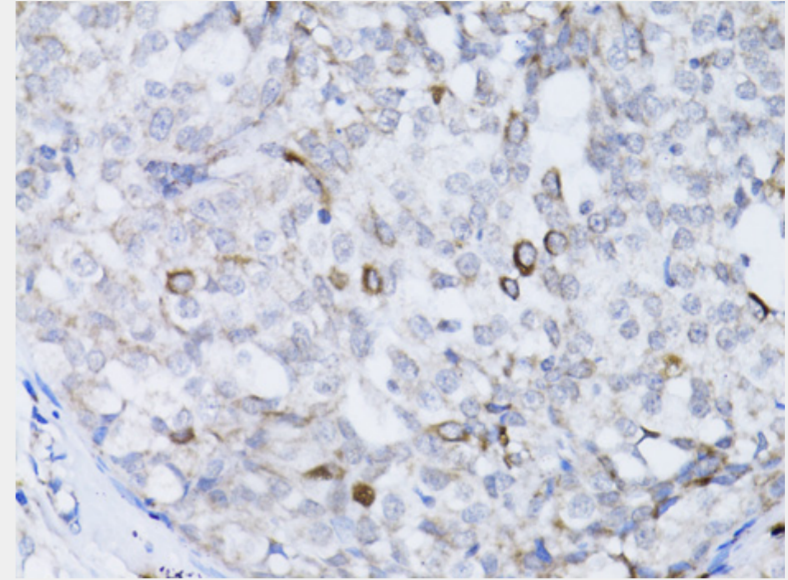
Western blot analysis of extracts of various cell lines, using BRCA1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.



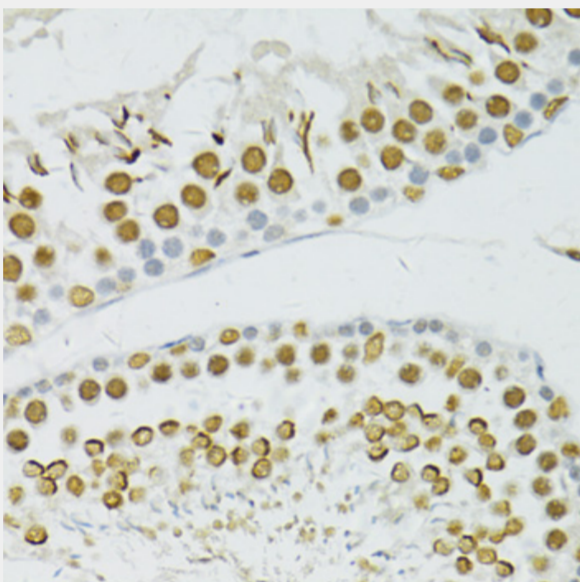
Immunohistochemistry of paraffin-embedded mouse brain using BRCA1 antibody at dilution of 1:100 (40x lens).



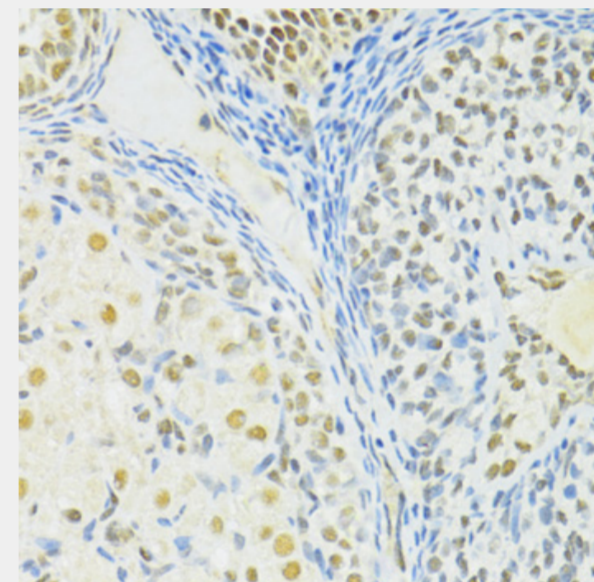
Immunohistochemistry of paraffin-embedded mouse pancreas using BRCA1 antibody at dilution of 1:100 (40x lens).



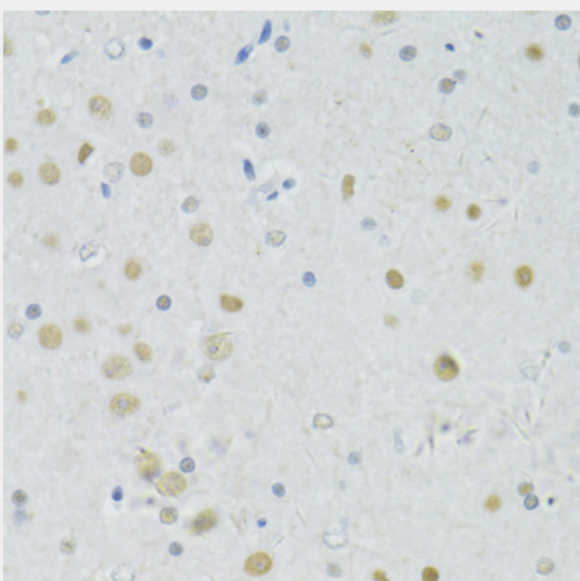
Immunohistochemistry of paraffin-embedded human breast cancer using BRCA1 antibody at dilution of 1:100 (40x lens).



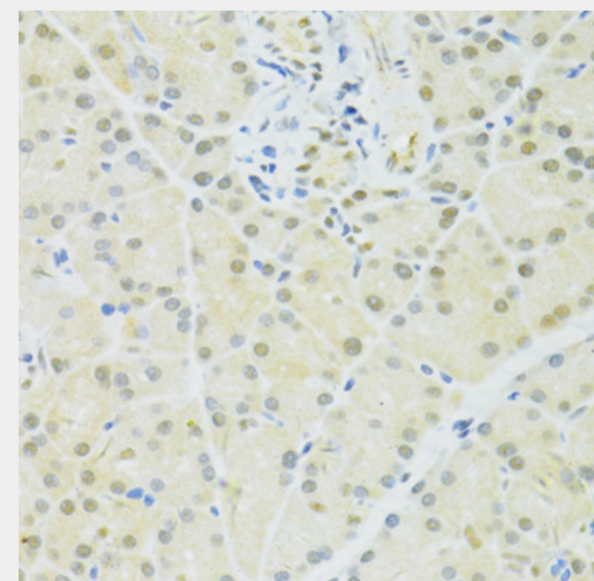
Immunohistochemistry of paraffin-embedded rat testis using BRCA1 antibody at dilution of 1:100 (40x lens).



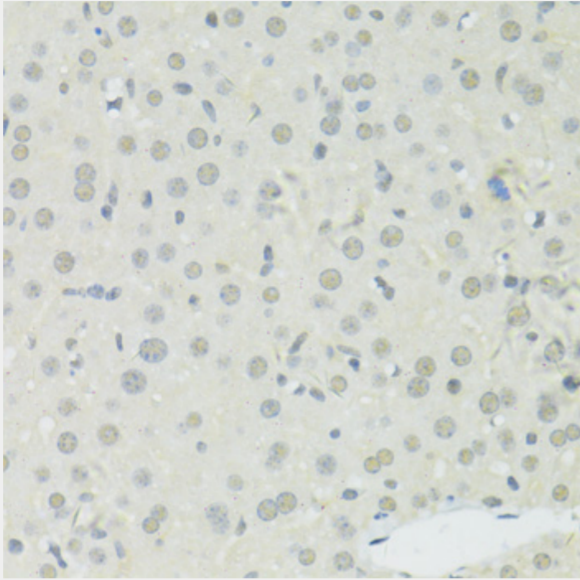
Immunohistochemistry of paraffin-embedded rat ovary using BRCA1 antibody at dilution of 1:100 (40x lens).



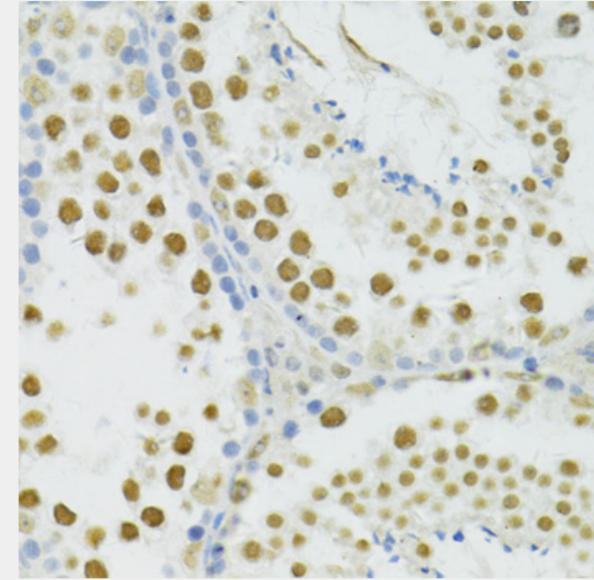
Immunohistochemistry of paraffin-embedded rat brain using BRCA1 antibody at dilution of 1:100 (40x lens).



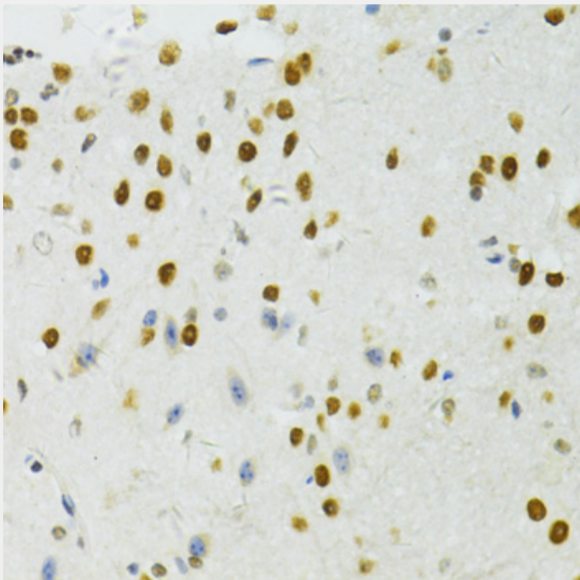
Immunohistochemistry of paraffin-embedded rat pancreas using BRCA1 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse liver using BRCA1 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse testis using BRCA1 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse spinal cord using BRCA1 antibody at dilution of 1:100 (40x lens).

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