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BRCA1 Polyclonal Antibody

Catalog No: tcba1736

Available Sizes

Size: 50ul

Size: 100ul

Size: 200ul

Specifications

Application:
WB,IHC,IF

Research Area:
Cancer,Cell cycle,Cell Biology,DNA Damage/Repair,Cell Cycle,

Species Reactivity:
Human,Mouse,Rat

Host Species:
Rabbit

Isotype:
IgG

Form:
Liquid

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

Recommended Dilution:
WB 1:500 - 1:2000
IHC 1:50 - 1:200
IF 1:50 - 1:200

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Storage Instruction:
Store at -20℃. Avoid freeze / thaw cycles.

Alternative Names:
BRCAI;BRCC1;BROVCA1;FANCS;IRIS;PNCA4;PPP1R53;PSCP;RNF53

SwissProt:
P38398

Gene ID:
672 (human);

Calculated Molecular Weight:
7kDa/78-85kDa/202-210kDa

Purification:
Affinity purification

Cellular Location:
Chromosome,Cytoplasm,Cytoplasm,Nucleus,

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.

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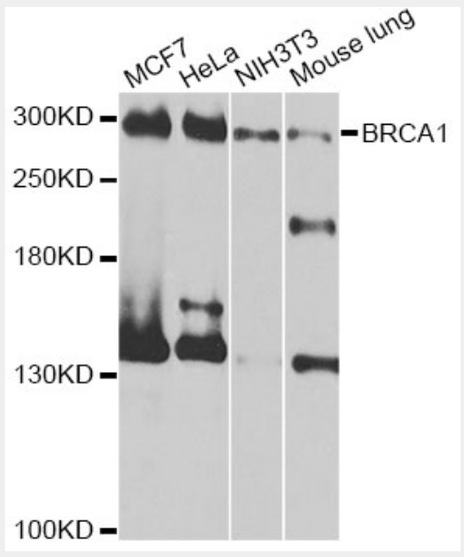
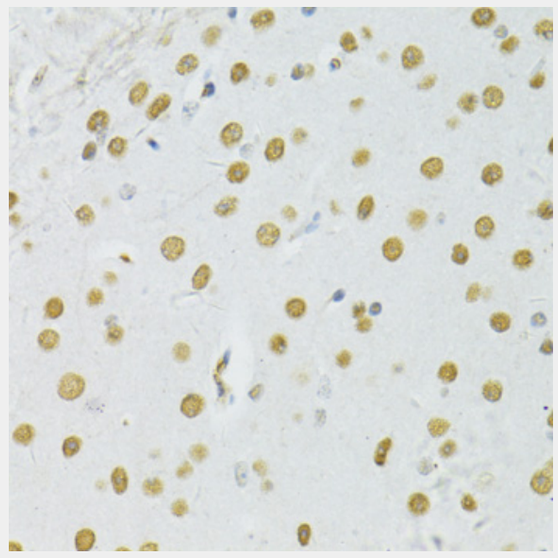
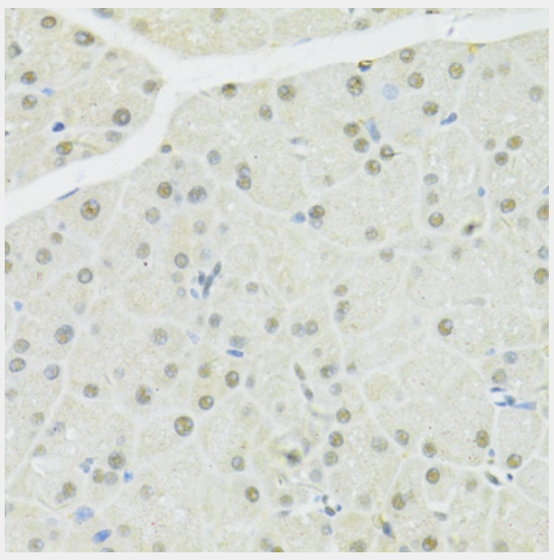


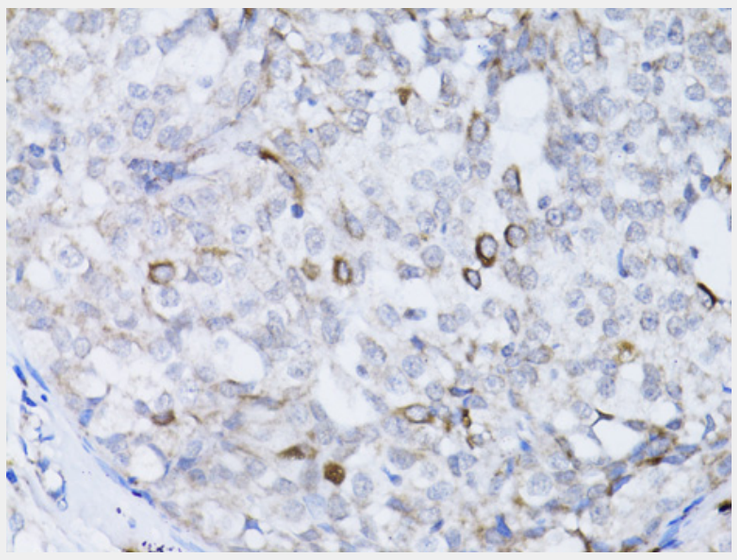
Western blot analysis of extracts of various cell lines, using BRCA1 antibody at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit.
Exposure time: 1s.



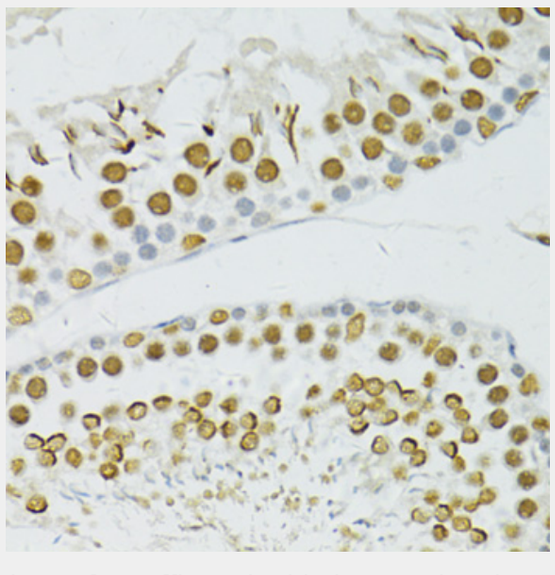
Immunohistochemistry of paraffin-embedded mouse brain using BRCA1 antibody at dilution of 1:100 (40x lens).



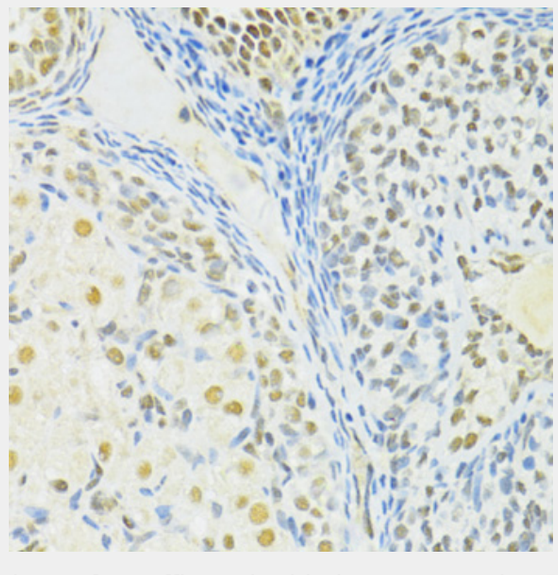
Immunohistochemistry of paraffin-embedded mouse pancreas using BRCA1 antibody at dilution of 1:100 (40x lens).



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).

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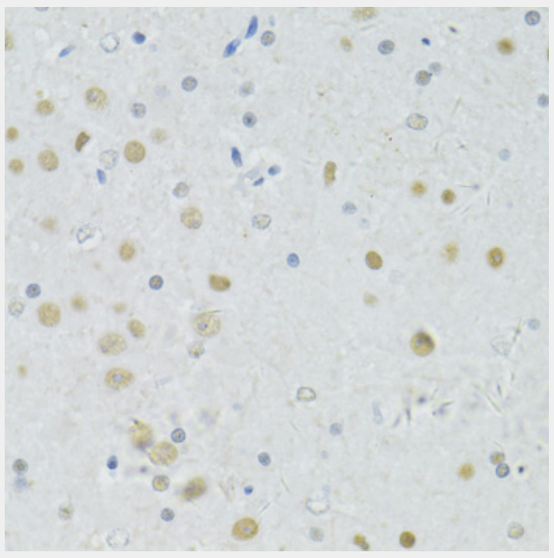
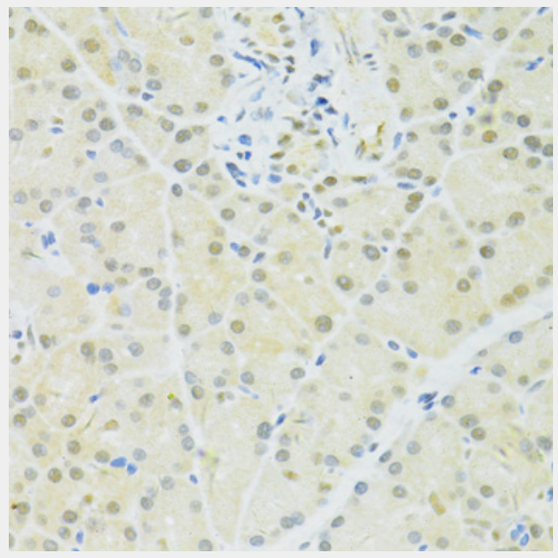
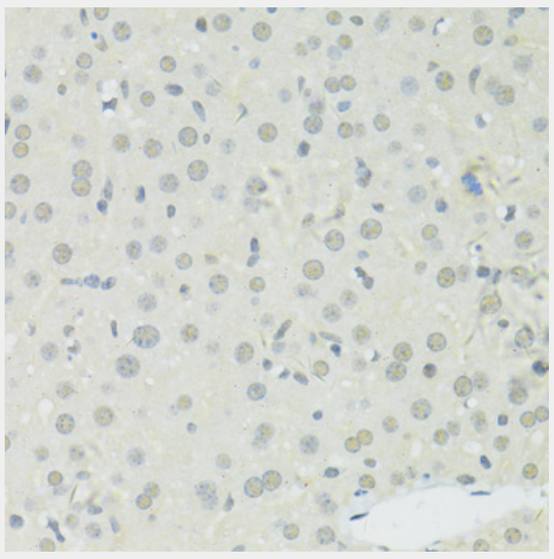


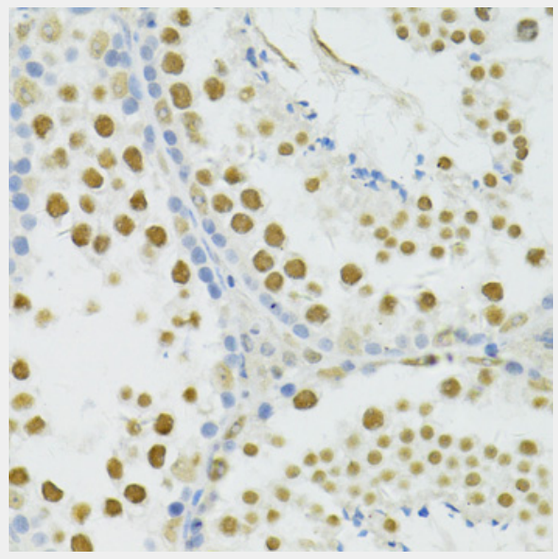
Immunohistochemistry of paraffin-embedded rat brain using BRCA1 antibody at dilution of 1:100 (40x lens).



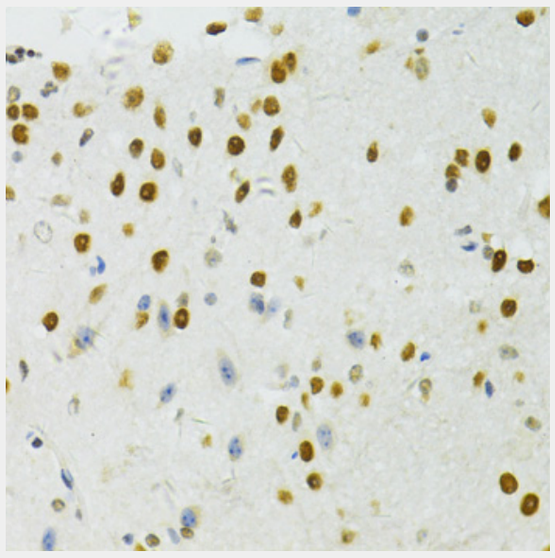
Immunohistochemistry of paraffin-embedded rat pancreas using BRCA1 antibody at dilution of 1:100 (40x lens).



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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