Product Datasheet

BRCA1 Antibody

Catalog No: #32016

Package Size: #32016-1 50ul #32016-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	BRCA1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC
Species Reactivity	Human,Mouse
Specificity	The antibody detects endogenous level of total BRCA1 protein.
Immunogen Type	Peptide
Immunogen Description	A synthetic peptide of human BRCA1 (NP_009225.1).
Target Name	BRCA1
Other Names	BRCA1;BRCAI;BRCC1;BROVCA1;FANCS;IRIS;PNCA4;PPP1R53;PSCP;RNF53
Accession No.	Uniprot:P38398GeneID:672
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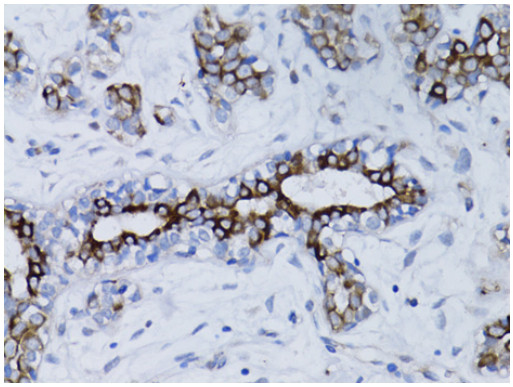
GeneID	672
SDS-PAGE MW	Refer to figures
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

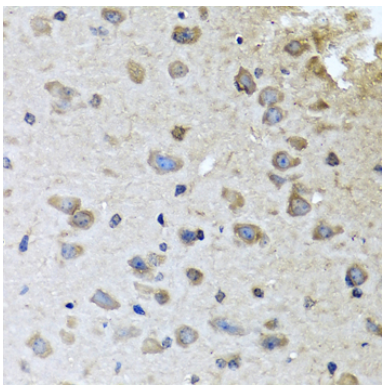
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200

Images



Immunohistochemistry of paraffin-embedded human breast cancer using BRCA1 antibody.



Immunohistochemistry of paraffin-embedded mouse brain using BRCA1 antibody.

Background

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.

Note: This product is for in vitro research use only