

BRCA1 Antibody

Cat. No.:	HY-P80573
Synonyms:	BRCA1 Antibody is a non-conjugated and Rabbit originated polyclonal antibody about 208 kDa, targeting to BRCA1. It can be used for WB,IHC-F,IHC-P,ICC/IF,ELISA assays with tag free, in the background of Human, Rat.
Host:	Rabbit
Reactivity:	Human,Rat
Conjugation:	Non-conjugated
SwissProt ID:	P38398
Research Field:	Epigenetics and Nuclear Signaling
Molecular Weight:	Predicted band size: 208 kDa

PROPERTIES

Formulation	Supplied in 1*PBS (pH 7.3), 50% glycerol and 0.5% BSA. Preservative: 0.02% sodium azide.	
Purity	affinity purified	
Storage & Stability	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.	
Appearance	Liquid	
Application & Dilution Ratio	Application	Dilution Ratio
	WB	1:500-1:1,000
	IHC	1:50-1:100
	IF	1:50-1:200
	ELISA	1:10,000
Shipping	Shipping with blue ice.	

DESCRIPTION

Background

BRCA1: This gene encodes a 190 kD nuclear phosphoprotein that plays a role in maintaining genomic stability, and it also acts as a tumor suppressor. The BRCA1 gene contains 22 exons spanning about 110 kb of DNA. 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. [provided by RefSeq, May 2020]

Caution: Product has not been fully validated for medical applications. For research use only.

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