

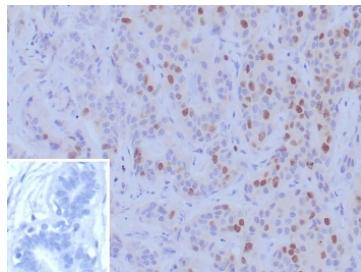
Recombinant BRCA1 Antibody / Breast cancer type 1 susceptibility protein [clone BRCA1/9797R] (V5797)

Catalog No.	Formulation	Size
V5797-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5797-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5797SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant **RABBIT MONOCLONAL**

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	BRCA1/9797R
UniProt	P38398
Localization	Chromosome, Cytoplasm, Nucleus
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant BRCA1 antibody is available for research use only.



IHC staining of FFPE human breast carcinoma tissue with BRCA1 antibody (clone BRCA1/9797R). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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.

Application Notes

Optimal dilution of the recombinant BRCA1 antibody should be determined by the researcher.

Immunogen

A portion of the N-terminal 304 amino acids of human BRCA1 protein was used as the immunogen for the recombinant BRCA1 antibody.

Storage

Aliquot the recombinant BRCA1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.