BRCA1 Polyclonal Antibody

Catalog No.	A11318	**Category**	Polyclonal Antibodies
Applications	WB, IHC, IF	**Observed MW**	280kDa
Cross-reactivity	Human, Rat	**Calculated MW**	7kDa/78-85kDa/202-210kDa

Immunogen Information

Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 400-699 of human BRCA1 (NP_009230.2).
Gene ID	672
Swiss prot	P38398
Synonyms	BRCA1; BRCAI; BRCC1; BROVCA1; FANCS; IRIS; PNCA4; PPP1R53; PSCP; RNF53; BRCA1, DNA repair associated

Product information

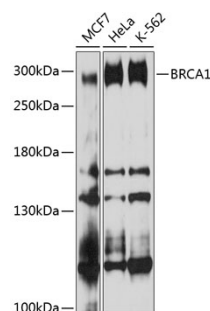|	
Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

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.

Recommended Dilutions

WB 1:500 - 1:2000

IHC 1:50 - 1:200

IF 1:50 - 1:200

Western blot - BRCA1 Polyclonal Antibody (A11318)

Immunofluorescence - BRCA1 Polyclonal Antibody (A11318)

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