

BRCA1 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	POLY-AP00968
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human BRCA1. AA range:1491-1540
Mol wt	207721
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA, TR-FLISA, TR-FRET
Concentration	1 mg/ml
Full name	BRCA1 Antibody
Synonyms	BRCA1; RNF53; Breast cancer type 1 susceptibility protein; RING finger protein 53

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

BRCA1 encodes a nuclear phosphoprotein that plays a role in maintaining genomic stability, and it also acts as a tumor suppressor. The encoded protein (BRCA1, DNA repair associated) 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 nature of only some of these variants has been described. A related pseudogene, which is also located on chromosome 17, has been identified.

Recommended Dilution

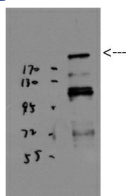
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

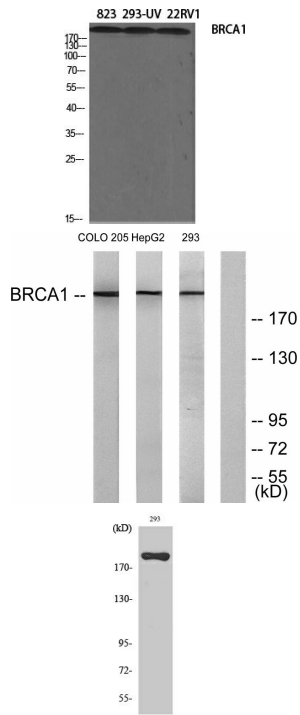
ELISA: 1: 20000

Not yet tested in other applications.

Images



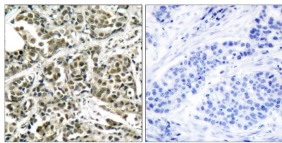
Western Blot analysis of JK using BRCA1 Polyclonal Antibody diluted at 1:1000. Secondary antibody was diluted at 1:20000



Western Blot analysis of various cells using BRCA1 Polyclonal Antibody diluted at 1:1000

Western blot analysis of lysates from COLO205 and HepG2 cells, treated with serum 20% 15', using BRCA1 Antibody. The lane on the right is blocked with the synthesized peptide.

Western Blot analysis of 293 cells using BRCA1 Polyclonal Antibody diluted at 1:1000



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using BRCA1 Antibody. The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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