

BRCA1 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP00965
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human BRCA1. AA range:1391-1440
Mol wt	207721
Species reactivity	Human, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
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 natures 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

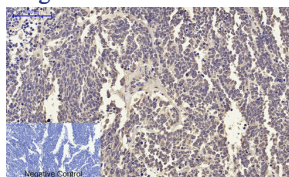
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

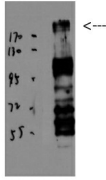
ELISA: 1: 5000

Not yet tested in other applications.

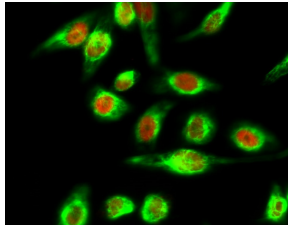
Images



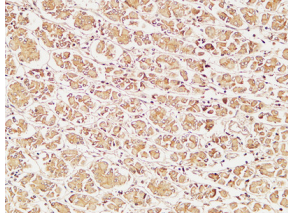
Immunohistochemical analysis of paraffin-embedded Human-lung-cancer tissue. 1, BRCA1 Polyclonal Antibody was diluted at 1:200(4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C, 20min). 3, Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



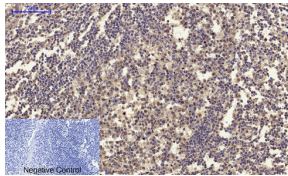
Western Blot analysis of JK using BRCA1 Polyclonal Antibody diluted at 1:1000. Secondary antibody was diluted at 1:20000



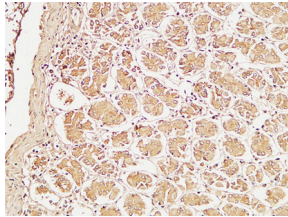
Immunofluorescence analysis of HeLa cell. 1, BRCA1 Polyclonal Antibody (green) was diluted at 1:200 (4°C overnight). 2, (red) was diluted at 1:200 (4°C overnight). 3, Goat Anti Rabbit Alexa Fluor 488 was diluted at 1:1000 (room temperature, 50 min). 4, Goat Anti Mouse Alexa Fluor 594 was diluted at 1:1000 (room temperature, 50 min).



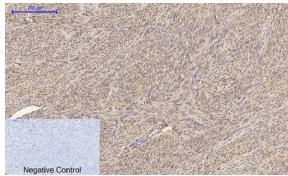
Immunohistochemical analysis of paraffin-embedded Human stomach. 1, Antibody was diluted at 1:100 (4°C overnight). 2, High-pressure and temperature EDTA, pH 8.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200 (room temperature, 30 min).



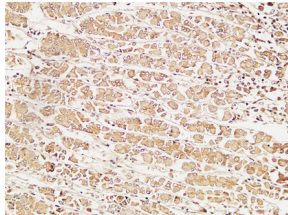
Immunohistochemical analysis of paraffin-embedded Human Tonsil tissue. 1, BRCA1 Polyclonal Antibody was diluted at 1:200 (4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C, 20 min). 3, Secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Human stomach. 1, Antibody was diluted at 1:100 (4°C overnight). 2, High-pressure and temperature EDTA, pH 8.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200 (room temperature, 30 min).



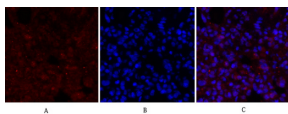
Immunohistochemical analysis of paraffin-embedded Human uterus tissue. 1, BRCA1 Polyclonal Antibody was diluted at 1:200 (4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C, 20 min). 3, Secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.



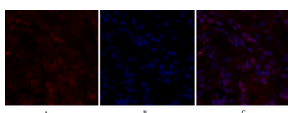
Immunohistochemical analysis of paraffin-embedded Human stomach. 1, Antibody was diluted at 1:100 (4°C overnight). 2, High-pressure and temperature EDTA, pH 8.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200 (room temperature, 30 min).



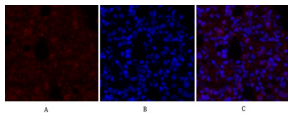
Western Blot analysis of HT29 cells using BRCA1 Polyclonal Antibody diluted at 1:1000



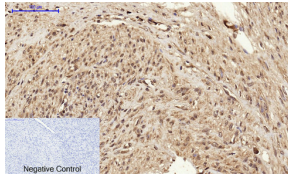
Immunofluorescence analysis of rat-lung tissue. 1, BRCA1 Polyclonal Antibody (red) was diluted at 1:200 (4°C overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



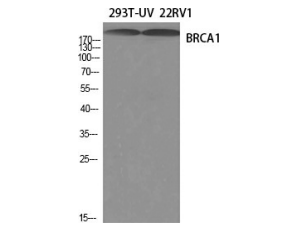
Immunofluorescence analysis of human-stomach tissue. 1, BRCA1 Polyclonal Antibody (red) was diluted at 1:200 (4°C overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



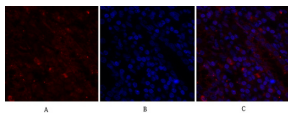
Immunofluorescence analysis of rat-lung tissue. 1, BRCA1 Polyclonal Antibody (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



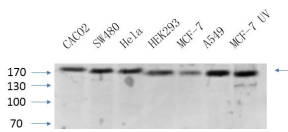
Immunohistochemical analysis of paraffin-embedded Human-uterus-cancer tissue. 1, BRCA1 Polyclonal Antibody was diluted at 1:200 (4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C, 20 min). 3, Secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.



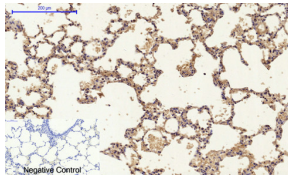
Western Blot analysis of various cells using BRCA1 Polyclonal Antibody diluted at 1:1000



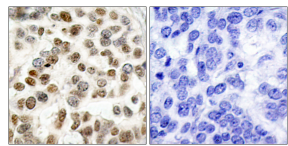
Immunofluorescence analysis of human-stomach tissue. 1, BRCA1 Polyclonal Antibody (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



Western Blot analysis of various cells using primary antibody diluted at 1:1000 (4°C overnight). Secondary antibody: Goat Anti-rabbit IgG IRDye 800 (diluted at 1:5000, 25°C, 1 hour).



Immunohistochemical analysis of paraffin-embedded Rat-lung tissue. 1, BRCA1 Polyclonal Antibody was diluted at 1:200 (4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C, 20 min). 3, Secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.



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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