Rabbit anti-Human BARD1 Polyclonal Antibody | anti-BARD1 antibody

BARD1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324290	**Rabbit**	**Human**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

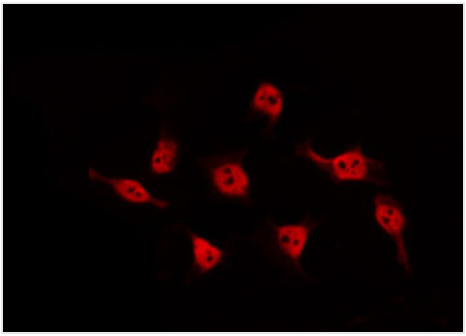
PRODUCT SYNONYMS

BARD1; Polyclonal Antibody; BARD1 Antibody; BARD-1; Bard1; BARD1_HUMAN; BRCA1 associated RING domain 1; BRCA1 associated RING domain gene 1; BRCA1 associated RING domain protein 1; BRCA1-associated RING domain protein 1; anti-BARD1 antibody

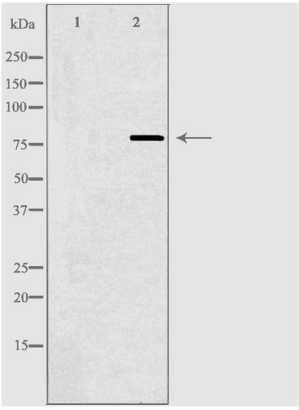
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	BARD1 antibody detects endogenous levels of total BARD1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	777
Applicable Applications for anti-BARD1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus. During S phase of the cell cycle, colocalizes with BRCA1 into discrete subnuclear foci. Can translocate to the cytoplasm. Localizes at sites of DNA damage at double-strand breaks (DSBs); recruitment to DNA damage sites is mediated by the BRCA1-A complex.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA324290 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from HeLa cells, using BARD1 antibody.The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-BARD1 antibody	Function: E3 ubiquitin-protein ligase. The BRCA1-BARD1 heterodimer specifically mediates the formation of 'Lys-6'-linked polyubiquitin chains and coordinates a diverse range of cellular pathways such as DNA damage repair, ubiquitination and transcriptional regulation to maintain genomic stability. Plays a central role in the control of the cell cycle in response to DNA damage. Acts by mediating ubiquitin E3 ligase activity that is required for its tumor suppressor function. Also forms a heterodimer with CSTF1/CSTF-50 to modulate mRNA processing and RNAP II stability by inhibiting pre-mRNA 3' cleavage. Subunit Structure: Homo-and heterodimer. Heterodimer (RING-type zinc finger) with BRCA1. Heterodimer (via ANK repeats and BRCT domains) with CSTF1/CSTF-50. Component of the BRCA1-A complex, at least composed of the BRCA1, BARD1, UIMC1/RAP80, ABRAXAS1, BRCC3/BRCC36, BABAM2 and BABAM1/NBA1. Interacts with UBXN1. Post-translational Modifications: Processed during apoptosis. The homodimer is more susceptible to proteolytic cleavage than the BARD1/BRCA1 heterodimer.

NCBI AND UNIPROT INFORMATION

NCBI GI #	157266328
NCBI GeneID	580
NCBI Accession #	NP_000456.2
NCBI GenBank Nucleotide #	NM_000465.3
UniProt Accession #	Q99728; O43574; Q53SS5; F6MDH7; F6MDH8; F6MDH9
Molecular Weight	Observed: 79 kD Predicted: 87 kDa
NCBI Official Full Name	BRCA1-associated RING domain protein 1 isoform 1
NCBI Official Synonym Full Names	BRCA1 associated RING domain 1
NCBI Official Symbol	BARD1
NCBI Protein Information	BRCA1-associated RING domain protein 1
UniProt Protein Name	BRCA1-associated RING domain protein 1
UniProt Gene Name	**BARD1**
UniProt Synonym Gene Names	BARD-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/polyclonal/bard1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324290