

Anti-BARD1 Antibody

Rabbit polyclonal antibody to BARD1
Catalog # AP59974

Product Information

Application	WB, IHC
Primary Accession	Q99728
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	86648

Additional Information

Gene ID	580
Other Names	BRCA1-associated RING domain protein 1; BARD-1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human BARD1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C. Stable for 12 months from date of receipt

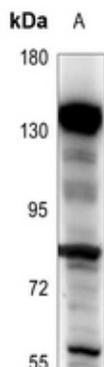
Protein Information

Name	BARD1
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.
Cellular Location	Nucleus. Note=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

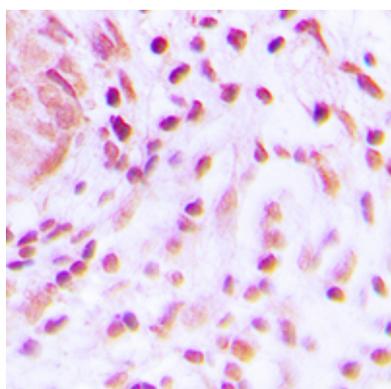
Background

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human BARD1. The exact sequence is proprietary.

Images



Western blot analysis of BARD1 expression in Myla2059 (A) whole cell lysates.



Immunohistochemical analysis of BARD1 staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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