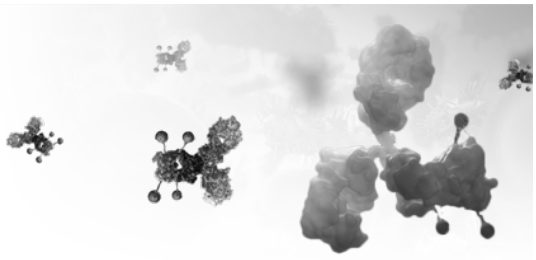

Mouse anti-Human BARD1 monoclonal antibody, clone 3B22 (CABT-B9835)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	BARD1 (NP_000456, 658 a.a. ~ 758 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	3B22
Conjugate	Unconjugated
Applications	IF,sELISA,ELISA
Sequence Similarities	RRSRLNREQLLPKLFDGCYFYLWGTFKHHPKDNLIKLVTAGGGQILSRKPKPDSDVTQTI NTVAYHARPDSDQRFCTQYIIYEDLCNYHPERVRQGKVWK*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	This gene encodes a protein which interacts with the N-terminal region of BRCA1. In addition to its ability to bind BRCA1 in vivo and in vitro, it shares homology with the 2 most conserved

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	regions of BRCA1: the N-terminal RING motif and the C-terminal BRCT domain. The RING motif is a cysteine-rich sequence found in a variety of proteins that regulate cell growth, including the products of tumor suppressor genes and dominant protooncogenes. This protein also contains 3 tandem ankyrin repeats. The BARD1/BRCA1 interaction is disrupted by tumorigenic amino acid substitutions in BRCA1, implying that the formation of a stable complex between these proteins may be an essential aspect of BRCA1 tumor suppression. This protein may be the target of oncogenic mutations in breast or ovarian cancer. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2013]
Keywords	BARD1; BRCA1 associated RING domain 1; BRCA1-associated RING domain protein 1; BRCA1-associated RING domain gene 1;

GENE INFORMATION

Entrez Gene ID	580
UniProt ID	Q99728
Pathway	BARD1 signaling events, organism-specific biosystem
Function	RNA binding; kinase binding; ligase activity; metal ion binding; protein binding; protein heterodimerization activity; protein homodimerization activity; contributes_to ubiquitin-protein ligase activity; ubiquitin-protein ligase activity; zinc ion binding

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