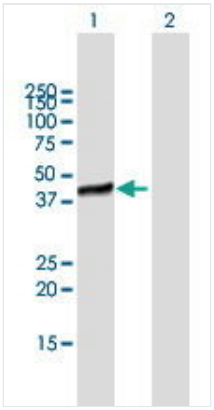
BABAM1 Antibody – Mouse Polyclonal

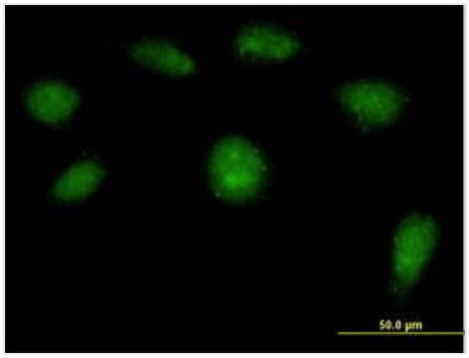
PRODUCT OVERVIEW

Product Name	BABAM1, Polyclonal Antibody
Full Product Name	BABAM1 (HSPC142, BRISC and BRCA1-A Complex Member 1, Mediator of RAP80 Interactions and Targeting Subunit of 40 kDa, New Component of the BRCA1-A Complex, C19orf62, MERIT40, NBA1)
Product Gene Name	anti-BABAM1 antibody
Product Synonym Names	Anti -BABAM1 (HSPC142, BRISC and BRCA1-A Complex Member 1, Mediator of RAP80 Interactions and Targeting Subunit of 40 kDa, New Component of the BRCA1-A Complex, C19orf62, MERIT40, NBA1)
Immunogen Sequence	MEVAEPSSPT EEEEEEEEHS AEPRPRTRSN PEGAEDRAVG AQASVGSRSE GEGEAASADD GSLNTSGAGP KSWQVPPPAP EVQIRTPRVN CPEKVIICLD LSEEMSLPKL ESFNGSKTNA LNVSQKMIEM FVRTKHKIDK SHEFALVVVN DDTAWLSGLT SDPRELCSCL YDLETASCST FNLEGLFSLI QQKTELPVTE NVQTIPPPYV VRTILVYSRP PCQPQFSLTE PMKKMFQCPY FFFDVVYIHN GTEEKEEEMS WKDMFAFMGS LDTKGTSYKY EVALAGPALE LHNCMAKLLA HPLQRPCQSH ASYSLLEEED EAIEVEATV
Clonality	Polyclonal
Isotype	IgG
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Recognizes human HSPC142.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	36,560 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (17378200..17390162). Location: 19p13.11
OMIM	612766
3D Structure	ModBase 3D Structure for Q9NWV8
Immunogen	Full length human HSPC142, aa1-329 (NP_001028721.1).
Product Categories/Family for anti-BABAM1 antibody	Antibodies; Abs to Heat Shock Proteins
Applications Tested/Suitable for anti-BABAM1 antibody	Western Blot (WB), Immunofluorescence (IF)
Application Notes for anti-BABAM1 antibody	Suitable for use in Western Blot and Immunofluorescence. Dilution: Immunofluorescence: 10ug/ml

Related Product Information for anti-BABAM1 antibody	Component of the BRCA1-A complex, a complex that specifically recognizes 'Lys-63'-linked ubiquitinated histones H2A and H2AX at DNA lesions sites, leading to target the BRCA1-BARD1 heterodimer to sites of DNA damage at double-strand breaks (DSBs). The BRCA1-A complex also possesses deubiquitinase activity that specifically removes 'Lys-63'-linked ubiquitin on histones H2A and H2AX. In the BRCA1-A complex, it is required for the complex integrity and its localization at DSBs. Probably also plays a role as a component of the BRISC complex, a multiprotein complex that specifically cleaves 'Lys-63'-linked ubiquitin. In these 2 complexes, it is probably required to maintain the stability of BRE/BRCC45 and help the 'Lys-63'-linked deubiquitinase activity mediated by BRCC3/BRCC36 component.
Other Notes	Small volumes of anti-BABAM1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for BABAM1 purchase	MBS6000470 is an antibody targeting BABAM1. Also known as BABAM1 (HSPC142, BRISC and BRCA1-A Complex Member 1, Mediator of RAP80 Interactions and Targeting Subunit of 40 kDa, New Component of the BRCA1-A Complex, C19orf62, MERIT40, NBA1). Reactive in Human. Host: Mouse.



Western Blot (WB) of anti-BABAM1 antibody
Western Blot analysis of C19orf62 expression in transfected 293T cell line by C19orf62 polyclonal antibody. Lane 1: HSPC142 transfected lysate (36.19kD). Lane 2: Non-transfected lysate.



Immunofluorescence (IF) of anti-BABAM1 antibody
Immunofluorescence of purified antibody to HSPC142 on HeLa cell. [antibody concentration 10ug/ml]

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BABAM1. It may not necessarily be applicable to this product.

NCBI GI #	75709194
NCBI GeneID	29086
NCBI Accession #	NP_001028721.1
UniProt Primary Accession #	Q9NWV8
UniProt Secondary Accession #	Q6FIA0; Q9P018; A8MQT0; B4DRY9; B4DVR1
UniProt Related Accession #	Q9NWV8
GenBank Nucleotide #	NM_001033549.1
NCBI Official Full Name	BRISC and BRCA1-A complex member 1
NCBI Official Synonym Full Names	BRISC and BRCA1 A complex member 1
NCBI Official Symbol	BABAM1
NCBI Official Synonym Symbols	NBA1; HSPC142; MERIT40; C19orf62
UniProt Protein Name	BRISC and BRCA1-A complex member 1
UniProt Synonym Protein Names	Mediator of RAP80 interactions and targeting subunit of 40 kDa; New component of the BRCA1-A complex
Protein Family	BRISC and BRCA1-A complex

UniProt Gene Name	BABAM1
UniProt Synonym Gene Names	C19orf62; MERIT40; NBA1
UniProt Entry Name	BABA1_HUMAN
NCBI Protein Information	BRISC and BRCA1-A complex member 1; BRCA1-A complex subunit MERIT40; new component of the BRCA1 A complex; new component of the BRCA1-A complex; new component of the BRCAA1 A complex; mediator of Rap80 interactions and targeting 40 kDa; mediator of RAP80 interactions and targeting subunit of 40 kDa
UniProt Comments for BABAM1	NBA1: a component of the BRCA1-A complex, a complex that specifically recognizes 'Lys-63'-linked ubiquitinated histones H2A and H2AX at DNA lesions sites, leading to target the BRCA1-BARD1 heterodimer to sites of DNA damage at double-strand breaks (DSBs). The BRCA1-A complex also possesses deubiquitinase activity that specifically removes 'Lys-63'-linked ubiquitin on histones H2A and H2AX. In the BRCA1-A complex, it is required for the complex integrity and its localization at DSBs. Probably also plays a role as a component of the BRISC complex, a multiprotein complex that specifically cleaves 'Lys-63'-linked ubiquitin. In these 2 complexes, it is probably required to maintain the stability of BRE/BRCC45 and help the 'Lys-63'-linked deubiquitinase activity mediated by BRCC3/BRCC36 component. The VWFA-like region is similar to the VWFA domain. Its presence reveals similarities between the structure of the 19S proteasome and the BRCA1-A complexes. Two alternatively spliced human isoforms have been reported. Protein type: DNA repair, damage Chromosomal Location of Human Ortholog: 19p13.11 Cellular Component: nucleoplasm; cytoplasm; nucleus Molecular Function: protein binding Biological Process: positive regulation of DNA repair; double-strand break repair; response to ionizing radiation; chromatin modification; G2/M transition DNA damage checkpoint
Research Articles on BABAM1	**1.** findings suggest that germline deleterious mutations in C19orf62 should be rare or absent in familial and nonfamilial breast cancer women
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