Datasheet for ABIN453692

anti-BRISC and BRCA1 A Complex Member 1 (BABAM1) (Middle Region) antibody

2 Images

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Overview

Quantity:	0.4 mL
Target:	BRISC and BRCA1 A Complex Member 1 (BABAM1)
Binding Specificity:	Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide selected from the Center region of Human HSPC142
Specificity:	This antibody recognizes MERIT40/HSPC142 (Center).
Purification:	Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	BRISC and BRCA1 A Complex Member 1 (BABAM1)
Alternative Name:	MERIT40 (BABAM1 Products)
Background:	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

Target Details

	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.Synonyms: BRCA1-A complex subunit MERIT40, C19orf62, HSPC142, Mediator of RAP80 interactions and targeting subunit of 40 kDa, NBA1, New component of the BRCA1-A complex
Gene ID:	29086
NCBI Accession:	NP_001028721
UniProt:	Q9NWV8
Pathways:	Positive Regulation of Response to DNA Damage Stimulus

Application Details

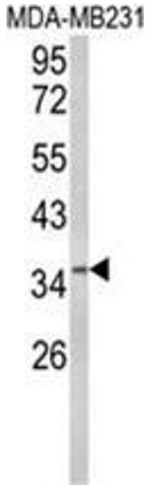
Application Notes:	ELISA: 1/1,000. Western blotting: 1/50-1/100. Immunohistochemistry: 1/50-1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) Sodium Azide as preservative.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Figure 2. Formalin-fixed and paraffin-embedded human brain reacted with HSPC142 Antibody (Center) (Cat#AP18061PU-N), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Western Blotting

Image 2. Figure 1. Western blot analysis of HSPC142 Antibody (Center) (Cat#AP18061PU-N) in MDA-MB231 cell line lysates (35ug/lane). HSPC142 (arrow) was detected using the purified Pab.