

Product datasheet for **AP18061PU-N**

HSPC142 (BABAM1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/1,000. Immunohistochemistry: 1/50-1/100.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 116-143 amino acids from the Central region of Human HSPC142.
Specificity:	This antibody recognizes MERIT40/HSPC142 (Center).
Formulation:	PBS with 0.09% (W/V) Sodium Azide as preservative. State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	BRISC and BRCA1 A complex member 1
Database Link:	Entrez Gene 29086 Human Q9NWV8



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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 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:

C19orf62, NBA1, HSPC142

Note:

Calculated MW: 36560 Da

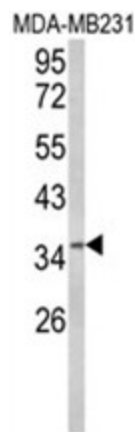
Product images:


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

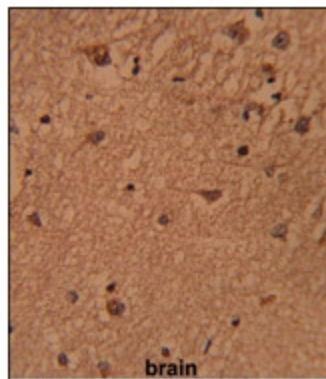


Figure 2. Formalin-fixed and paraffin-embedded human brain reacted with HSPC142 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.