

Rabbit Anti-HSPC142/AP Conjugated antibody

SL18088R-AP

Product Name	Anti-HSPC142/AP
Chinese Name	碱性磷酸酶（AP）标记的乳腺癌易感基因复合物 HSPC142 抗体
Alias	BABA1_HUMAN; babam1; BRCA1 A complex subunit MERIT40; BRISC and BRCA1-A complex member 1; C19orf62; FLJ20571; HSPC142; hypothetical protein LOC29086; Mediator of Rap80 interactions and targeting 40 kDa; Mediator of RAP80 interactions and targeting subunit of 40 kDa; MERIT 40; MERIT40; NBA1; New component of the BRCA1 A complex; New component of the BRCA1-A complex; Uncharacterized protein C19orf62.
Research Area	Tumour Cell biology transcriptional regulatory factor Diabetes Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Cat,Chinese Hamster, Orangutan,Elephant) IHC-P=1:100-500,IHC-F=1:100-500,ELISA=1:500-5000
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	36kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human HSPC142
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. Store at -20 癆 for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20 癆. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 癆.
Storage	

background:

Consisting of around 63 million bases with over 1,400 genes, chromosome 19 makes up over 2% of human genomic DNA. Chromosome 19 includes a diversity of interesting genes and is recognized for having the greatest gene density of the human chromosomes. It is the genetic home for a number of immunoglobulin superfamily members including the killer cell and leukocyte Ig-like receptors, a number of ICAMs, the CEACAM and PSG family, and Fc γ receptors. Key genes for eye color and hair color also map to chromosome 19. Peutz-Jeghers syndrome, spinocerebellar ataxia type 6, the stroke disorder CADASIL, hypercholesterolemia and insulin-dependent diabetes have been linked to chromosome 19. Translocations with chromosome 19 and chromosome 14 can be seen in some lymphoproliferative disorders and typically involve the proto-oncogene BCL3. The C19orf62 gene product has been provisionally designated C19orf62 pending further characterization.

Function:

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.

Product Detail

Subcellular Location:

Cytoplasm. Nucleus. Localizes at sites of DNA damage at double-strand breaks.

Similarity:

Belongs to the BABAM1 family.

Database links:

[Entrez Gene: 29086](#) Human

[Entrez Gene: 68251](#) Mouse

[Entrez Gene: 290631](#) Rat



[Omim: 612766](#) Human

[SwissProt: Q9NWX8](#) Human

[SwissProt: Q3UI43](#) Mouse

[SwissProt: Q5XIJ6](#) Rat

[Unigene: 190722](#) Human

[Unigene: 21749](#) Mouse

[Unigene: 74107](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.