SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-HSPC142 antibody

SL18088R

Product Name:	HSPC142
Chinese Name:	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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Cat,Chinese Hamster, Orangutan, Elephant
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	36kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human HSPC142:101-200/329
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 癈 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癈. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 癈.
PubMed:	PubMed

Product Detail:	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?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. **Subcellular Location:** Cytoplasm. Nucleus. Localizes at sites of DNA damage at double-strand breaks. **Similarity:** Belongs to the BABAM1 family. **SWISS:** Q9NWV8 **Gene ID:** 29086 **Database links:** Entrez Gene: 29086 Human Entrez Gene: 68251 Mouse Entrez Gene: 290631 Rat Omim: 612766 Human

	SwissProt: Q9NWV8 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.