

Rabbit MERIT40 Polyclonal Antibody | anti-MERIT40 antibody

Phospho-MERIT40 (Ser29) Antibody

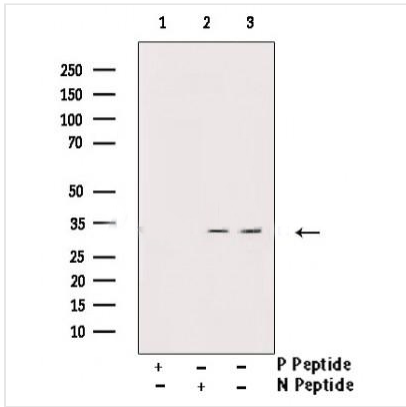
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329492	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%), Xenopus (92%)	ELISA, Western Blot

PRODUCT SYNONYMS

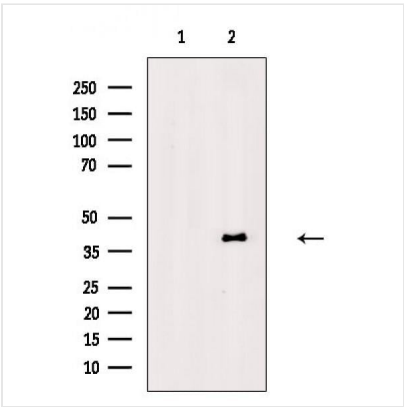
MERIT40; Polyclonal Antibody; Phospho-MERIT40 (Ser29) Antibody; BABA1_HUMAN; babam1; BRCA1 A complex subunit MERIT40; BRISC and BRCA1-A complex member 1; C19orf62; FLJ20571; HSPC142; hypothetical protein LOC29086; Mediator of Rap80 interactions and targeting 40kDa; Mediator of RAP80 interactions and targeting subunit of 40kDa; MERIT 40; NBA1; New component of the BRCA1 A complex; New component of the BRCA1-A complex; Uncharacterized protein C19orf62; anti-MERIT40 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%), Xenopus (92%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-MERIT40 (Ser29) Antibody detects endogenous levels of MERIT40 only when phosphorylated at Ser29.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-MERIT40 antibody	ELISA (Peptide ELISA), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MERIT40 around the phosphorylation site of Ser29.
Conjugation	Unconjugated
Fragment	Fab fragment
Subunit Structure	Component of the ARISC complex, at least composed of UIMC1/RAP80, ABRAXAS1, BRCC3/BRCC36, BABAM2 and BABAM1/NBA1. Component of the BRCA1-A complex, at least composed of BRCA1, BARD1, UIMC1/RAP80, ABRAXAS1, BRCC3/BRCC36, BABAM2 and BABAM1/NBA1. In the BRCA1-A complex, interacts directly with ABRAXAS1 and BABAM2. Component of the BRISC complex, at least composed of ABRAXAS2, BRCC3/BRCC36, BABAM2 and BABAM1/NBA1. Identified in a complex with SHMT2 and the other subunits of the BRISC complex.
Similarity	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. Belongs to the BABAM1 family.
Subcellular Location	Cytoplasm. Nucleus. Note: Localizes at sites of DNA damage at double-strand breaks (DSBs).
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from A-431 , using Phospho-MERIT40 (Ser29) Antibody. Lane1 was treated with phospho-blocking peptide, Lane2 was treated with non-phospho-blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from HepG2 cells(LPS 4h treatment), using Phospho-MERIT40 (Ser29) Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-MERIT40 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. Component of the BRISC complex, a multiprotein complex that specifically cleaves 'Lys-63'-linked ubiquitin in various substrates. In these 2 complexes, it is probably required to maintain the stability of BABAM2 and help the 'Lys-63'-linked deubiquitinase activity mediated by BRCC3/BRCC36 component. The BRISC complex is required for normal mitotic spindle assembly and microtubule attachment to kinetochores via its role in deubiquitinating NUMA1. Plays a role in interferon signaling via its role in the deubiquitination of the interferon receptor IFNAR1; deubiquitination increases IFNAR1 activity by enhancing its stability and cell surface expression. Down-regulates the response to bacterial lipopolysaccharide (LPS) via its role in IFNAR1 deubiquitination.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	75709194
NCBI GeneID	29086
NCBI Accession #	NP_001028721.1
NCBI GenBank Nucleotide #	NM_001033549.2
UniProt Accession #	Q9NWW8; Q6FIA0; Q9P018; A8MQT0; B4DRY9; B4DVR1
Molecular Weight	18,621 Da
NCBI Official Full Name	BRISC and BRCA1-A complex member 1 isoform 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
NCBI Protein Information	BRISC and BRCA1-A complex member 1
UniProt Protein Name	BRISC and BRCA1-A complex member 1
UniProt Gene Name	BABAM1
UniProt Entry Name	BABA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/merit40-antibody-peptide-elisa-western-blot-elisa/329492>