

**FAM175A Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9636c****Specification**

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**FAM175A Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q6UWZ7](#)**FAM175A Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 84142**Other Names**

BRCA1-A complex subunit Abraxas, Coiled-coil domain-containing protein 98, Protein FAM175A, FAM175A, ABRA1, CCDC98

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**FAM175A Antibody (Center) Blocking Peptide - Protein Information****Name** ABRAXAS1 ([HGNC:25829](#))**Function**

Involved in DNA damage response and double-strand break (DSB) repair. Component of the BRCA1-A complex, acting as a central scaffold protein that assembles the various components of the complex and mediates the recruitment of BRCA1. The BRCA1-A complex specifically recognizes 'Lys-63'-linked ubiquitinated histones H2A and H2AX at DNA lesion sites, leading to target the BRCA1-BARD1 heterodimer to sites of DNA damage at DSBs. This complex also possesses deubiquitinase activity that specifically removes 'Lys-63'-linked ubiquitin on histones H2A and H2AX.

**Cellular Location**

Nucleus Note=Localizes at sites of DNA damage at double-strand breaks (DSBs)

**FAM175A Antibody (Center) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

#### **FAM175A Antibody (Center) Blocking Peptide - Images**

#### **FAM175A Antibody (Center) Blocking Peptide - 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 acts as a central scaffold protein that assembles the various components of the BRCA1-A complex and mediates the recruitment of BRCA1.

#### **FAM175A Antibody (Center) Blocking Peptide - References**

Wang, B., et al. Genes Dev. 23(6):729-739(2009)Feng, L., et al. Genes Dev. 23(6):719-728(2009)Shao, G., et al. Genes Dev. 23(6):740-754(2009)