C7orf27 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP10702c

Specification

C7orf27 Antibody (Center) Blocking peptide - Product Information

Primary Accession   Q6PJG6

C7orf27 Antibody (Center) Blocking peptide - Additional Information

Gene ID 221927

Other Names
BRCA1-associated ATM activator 1, BRCA1-associated protein required for ATM activation protein 1, BRAT1, BAAT1, C7orf27

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.

C7orf27 Antibody (Center) Blocking peptide - Protein Information

Name BRAT1

Synonyms BAAT1, C7orf27

Function
Involved in DNA damage response; activates kinases ATM, SMC1A and PRKDC by modulating their phosphorylation status following ionizing radiation (IR) stress (PubMed:16452482, PubMed:22977523). Plays a role in regulating mitochondrial function and cell proliferation (PubMed:25070371). Required for protein stability of MTOR and MTOR- related proteins, and cell cycle progress by growth factors (PubMed:25657994).

Cellular Location
Nucleus. Cytoplasm Note=Present at double strand breaks (DSBs)following ionizing radiation treatment. The ubiquitinated form localizes in the nucleus in a NDFIP1- dependent manner.

Tissue Location
Ubiquitously expressed.

C7orf27 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

C7orf27 Antibody (Center) Blocking peptide - Images

C7orf27 Antibody (Center) Blocking peptide - Background

 Required for activation of ATM following ionizing radiation. May act by regulating dephosphorylation of ATM.

C7orf27 Antibody (Center) Blocking peptide - References

 Aglipay, J.A., et al. J. Biol. Chem. 281(14):9710-9718(2006)