

**DAP3 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9592a****Specification**

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**DAP3 Antibody (N-term) Blocking Peptide - Product Information**

Primary Accession [P51398](#)

**DAP3 Antibody (N-term) Blocking Peptide - Additional Information**

**Gene ID** 7818

**Other Names**

28S ribosomal protein S29, mitochondrial, MRP-S29, S29mt, Death-associated protein 3, DAP-3, Ionizing radiation resistance conferring protein, DAP3, MRPS29

**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.

**DAP3 Antibody (N-term) Blocking Peptide - Protein Information**

**Name** DAP3

**Synonyms** MRPS29

**Function**

Involved in mediating interferon-gamma-induced cell death.

**Cellular Location**

Mitochondrion

**Tissue Location**

Ubiquitous.

**DAP3 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**DAP3 Antibody (N-term) Blocking Peptide - Images****DAP3 Antibody (N-term) Blocking Peptide - Background**

Mammalian mitochondrial ribosomal proteins help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This protein is 28S subunit protein that also participates in apoptotic pathways which are initiated by tumor necrosis factor-alpha, Fas ligand, and gamma interferon. This protein potentially binds ATP/GTP and might be a functional partner of the mitoribosomal protein S27.

**DAP3 Antibody (N-term) Blocking Peptide - References**

Li, H.M., et al. Cell Death Differ. 16(12):1615-1621(2009) Jacques, C., et al. Br. J. Cancer 101(1):132-138(2009) Tang, T., et al. J. Biol. Chem. 284(8):5414-5424(2009)