

**Calmodulin Antibody (N-term) Blocking Peptide****Synthetic peptide****Catalog # BP1570a****Specification**

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

Primary Accession

[Q9BRL5](#)**Calmodulin Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 808**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP1570a](/product/products/AP1570a) was selected from the N-term region of human Calmodulin . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**Calmodulin Antibody (N-term) Blocking Peptide - Protein Information****Name** Q9BRL5**Calmodulin Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

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

Calmodulin is the archetype of the family of calcium-modulated proteins of which nearly 20 members have been found. They are identified by their occurrence in the cytosol or on membranes facing the cytosol and by a high affinity for calcium. Calmodulin contains 149 amino acids and has 4 calcium-binding domains. Its functions include roles in growth and the cell cycle as well as in signal transduction and the synthesis and release of neurotransmitters.

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

Radding, W., et al., AIDS Res. Hum. Retroviruses 16(15):1519-1525 (2000). Wang, D., et al., J. Neurochem. 75(2):763-771 (2000). Toutenhoofd, S.L., et al., Cell Calcium 23(5):323-338 (1998). Matoba, R., et al., Gene 146(2):199-207 (1994). Berchtold, M.W., et al., Genomics 16(2):461-465 (1993).