

**ANXA9 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17062c****Specification**

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**ANXA9 Antibody (Center) Blocking Peptide - Product Information**

Primary Accession [O76027](#)

**ANXA9 Antibody (Center) Blocking Peptide - Additional Information**

**Gene ID** 8416

**Other Names**

Annexin A9, Annexin XXXI, Annexin-31, Annexin-9, Pemphaxin, ANXA9, ANX31

**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.

**ANXA9 Antibody (Center) Blocking Peptide - Protein Information**

**Name** ANXA9

**Synonyms** ANX31

**Function**

Low affinity receptor for acetylcholine known to be targeted by disease-causing pemphigus vulgaris antibodies in keratinocytes.

**Tissue Location**

Expressed in the stratified squamous skin epithelium, but not in epithelia of other types (at protein level)

**ANXA9 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**ANXA9 Antibody (Center) Blocking Peptide - Images**

### **ANXA9 Antibody (Center) Blocking Peptide - Background**

The annexins are a family of calcium-dependent phospholipid-binding proteins. Members of the annexin family contain 4 internal repeat domains, each of which includes a type II calcium-binding site. The calcium-binding sites are required for annexins to aggregate and cooperatively bind anionic phospholipids and extracellular matrix proteins. This gene encodes a divergent member of the annexin protein family in which all four homologous type II calcium-binding sites in the conserved tetrad core contain amino acid substitutions that ablate their function. However, structural analysis suggests that the conserved putative ion channel formed by the tetrad core is intact.

### **ANXA9 Antibody (Center) Blocking Peptide - References**

Kottgen, A., et al. Nat. Genet. 42(5):376-384(2010) Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004) Goebeler, V., et al. FEBS Lett. 546 (2-3), 359-364 (2003)  
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