

**AREG Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7776b****Specification**

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**AREG Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [P15514](#)  
Other Accession [NP\\_001648](#)

**AREG Antibody (C-term) Blocking Peptide - Additional Information**

**Gene ID** 374

**Other Names**

Amphiregulin, AR, Colorectum cell-derived growth factor, CRDGF, AREG, SDGF

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP7776b](/products/AP7776b) was selected from the C-term region of human AREG. 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.

**AREG Antibody (C-term) Blocking Peptide - Protein Information**

**Name** AREG ([HGNC:651](#))

**Function**

Ligand of the EGF receptor/EGFR. Autocrine growth factor as well as a mitogen for a broad range of target cells including astrocytes, Schwann cells and fibroblasts.

**Cellular Location**

Membrane; Single-pass membrane protein.

**AREG Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **AREG Antibody (C-term) Blocking Peptide - Images**

#### **AREG Antibody (C-term) Blocking Peptide - Background**

AREG is a member of the epidermal growth factor family. It is an autocrine growth factor as well as a mitogen for astrocytes, Schwann cells, and fibroblasts. It is related to epidermal growth factor (EGF) and transforming growth factor alpha (TGF-alpha). This protein interacts with the EGF/TGF-alpha receptor to promote the growth of normal epithelial cells and inhibits the growth of certain aggressive carcinoma cell lines. This protein is associated with a psoriasis-like skin phenotype.

#### **AREG Antibody (C-term) Blocking Peptide - References**

Shim,J.Y., J. Korean Med. Sci. 23 (5), 857-863 (2008)Eckstein,N., J. Biol. Chem. 283 (2), 739-750 (2008)Revillion,F., Ann. Oncol. 19 (1), 73-80 (2008)Kimura,H., Nature 348 (6298), 257-260 (1990)