

**AGR3 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9424b****Specification**

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**AGR3 Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [Q8TD06](#)

**AGR3 Antibody (C-term) Blocking Peptide - Additional Information**

**Gene ID** 155465

**Other Names**

Anterior gradient protein 3 homolog, AG-3, AG3, hAG-3, Breast cancer membrane protein 11, AGR3, BCMP11

**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.

**AGR3 Antibody (C-term) Blocking Peptide - Protein Information**

**Name** AGR3

**Synonyms** BCMP11, PDIA18

**Function**

Required for calcium-mediated regulation of ciliary beat frequency and mucociliary clearance in the airway. Might be involved in the regulation of intracellular calcium in tracheal epithelial cells.

**Cellular Location**

Endoplasmic reticulum. Note=Found in the cytoplasm, which could include the endoplasmic reticulum

**Tissue Location**

Expressed in the lung, in the ciliated cells of the airway epithelium (PubMed:25751668). Expression increased with differentiation of airway epithelial cells (PubMed:25751668). Not detected in the mucous cells (PubMed:25751668). Expressed in ciliated cells in the oviduct (PubMed:26170690). Also detected in stomach, colon, prostate and liver (PubMed:25751668). Expressed in breast, ovary, prostate and liver cancer (PubMed:26170690). Expression is associated with the level of differentiation of breast cancer (at protein level) (PubMed:26170690).

**AGR3 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**AGR3 Antibody (C-term) Blocking Peptide - Images****AGR3 Antibody (C-term) Blocking Peptide - Background**

AGR3 (Anterior Gradient 3) protein, also known as AG3 (hAG3, HAG3 in human), or BCMP11, is a secreted cytoplasmic protein which is involved in metastasis induction and p53 tumour suppressor inhibition. It may serve as molecular marker and potential therapeutic target for hormone-responsive breast tumours. Its *Xenopus* homolog is associated with anteroposterior fate determination during early development.

**AGR3 Antibody (C-term) Blocking Peptide - References**

Persson, S., et al. Mol. Phylogenet. Evol. 36(3):734-740(2005) Zhang, Z., et al. Protein Sci. 13(10):2819-2824(2004) Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003) Fletcher, G.C., et al. Br. J. Cancer 88(4):579-585(2003) Adam, P.J., et al. J. Biol. Chem. 278(8):6482-6489(2003)