

**Goat Anti-AGR2 Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF1035a****Specification**

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**Goat Anti-AGR2 Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">O95994</a>
Other Accession	<a href="#">NP_006399</a> , <a href="#">10551</a> , <a href="#">23795 (mouse)</a>
Reactivity	Human
Predicted	Mouse, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	19979

**Goat Anti-AGR2 Antibody - Additional Information****Gene ID** 10551**Other Names**

Anterior gradient protein 2 homolog, AG-2, hAG-2, HPC8, Secreted cement gland protein XAG-2 homolog, AGR2, AG2

**Dilution**

WB~~1:1000

E~~N/A

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-AGR2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-AGR2 Antibody - Protein Information****Name** AGR2**Synonyms** AG2

**Function**

Required for MUC2 post-transcriptional synthesis and secretion. May play a role in the production of mucus by intestinal cells (By similarity). Proto-oncogene that may play a role in cell migration, cell differentiation and cell growth. Promotes cell adhesion (PubMed:<a href="http://www.uniprot.org/citations/23274113" target="\_blank">23274113</a>).

**Cellular Location**

Secreted. Endoplasmic reticulum {ECO:0000250|UniProtKB:O88312}

**Tissue Location**

Expressed strongly in trachea, lung, stomach, colon, prostate and small intestine. Expressed weakly in pituitary gland, salivary gland, mammary gland, bladder, appendix, ovary, fetal lung, uterus, pancreas, kidney, fetal kidney, testis, placenta, thyroid gland and in estrogen receptor (ER)-positive breast cancer cell lines

**Goat Anti-AGR2 Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Goat Anti-AGR2 Antibody - Images**

AF1035a (0.01 µg/ml) staining of Human Duodenum lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**Goat Anti-AGR2 Antibody - References**

Elevated level of anterior gradient-2 in pancreatic juice from patients with pre-malignant pancreatic neoplasia. Chen R, et al. Mol Cancer, 2010 Jun 15. PMID 20550709.

Genetic variation in 3-hydroxy-3-methylglutaryl CoA reductase modifies the chemopreventive activity of statins for colorectal cancer. Lipkin SM, et al. Cancer Prev Res (Phila), 2010 May. PMID

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ErbB3 binding protein 1 represses metastasis-promoting gene anterior gradient protein 2 in prostate cancer. Zhang Y, et al. Cancer Res, 2010 Jan 1. PMID 20048076.

The metastasis-associated anterior gradient 2 protein is correlated with poor survival of breast cancer patients. Barraclough DL, et al. Am J Pathol, 2009 Nov. PMID 19834055.

Prognostic significance of AGR2 in pancreatic ductal adenocarcinoma. Riener MO, et al. Histol Histopathol, 2009 Sep. PMID 19609859.