

**AGR2 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP13845a****Specification**

---

**AGR2 Antibody (N-term) - Product Information**

Application	IHC-P, IF, WB,E
Primary Accession	<a href="#">O95994</a>
Other Accession	<a href="#">NP_006399.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	19979
Antigen Region	11-39

**AGR2 Antibody (N-term) - 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

**Target/Specificity**

This AGR2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 11-39 amino acids from the N-terminal region of human AGR2.

**Dilution**

IHC-P~~1:10~50

IF~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

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

**Precautions**

AGR2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**AGR2 Antibody (N-term) - 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:[23274113](#)).

**Cellular Location**

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

**Tissue Location**

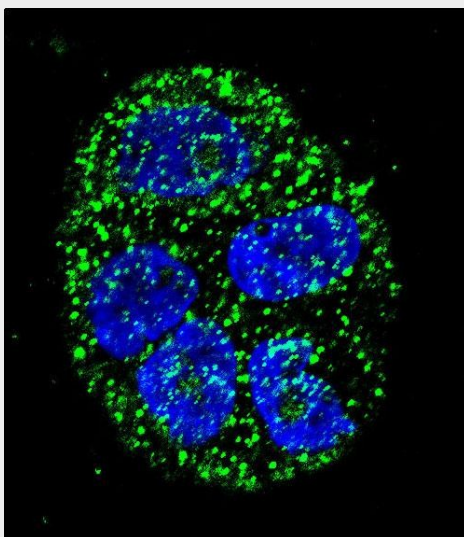
Expressed strongly in trachea, lung, stomach, colon, prostate and small intestine. Expressed weakly in pituitary gland, salivary gland, mammary gland, bladder, appendix, ovary, fetal lung, uterus, pancreas, kidney, fetal kidney, testis, placenta, thyroid gland and in estrogen receptor (ER)-positive breast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

**AGR2 Antibody (N-term) - Protocols**

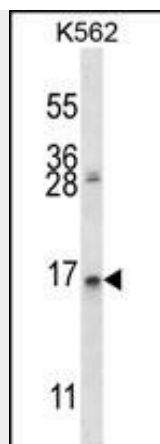
Provided below are standard protocols that you may find useful for product applications.

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

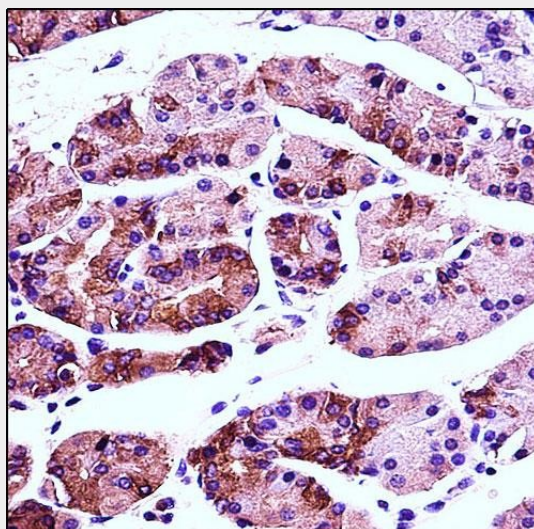
**AGR2 Antibody (N-term) - Images**



Confocal immunofluorescent analysis of AGR2 Antibody (N-term)(Cat#AP13845a) with WiDr cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



AGR2 Antibody (N-term) (Cat. #AP13845a) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the AGR2 antibody detected the AGR2 protein (arrow).



AGR2 Antibody (N-term) (Cat. #AP13845a) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of AGR2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **AGR2 Antibody (N-term) - Background**

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.

#### **AGR2 Antibody (N-term) - References**

Ambolet-Camoit, A., et al. Toxicol. Sci. 115(2):501-512(2010)  
Lipkin, S.M., et al. Cancer Prev Res (Phila) 3(5):597-603(2010)  
Chen, R., et al. Mol. Cancer 9, 149 (2010) :  
Vanderlaag, K.E., et al. Breast Cancer Res. 12 (3), R32 (2010) :  
Rice, G.E., et al. J. Exp. Clin. Cancer Res. 29, 62 (2010) :

#### **AGR2 Antibody (N-term) - Citations**

- [Corrigendum to "Fluvastatin Upregulates the Subunit of CaV1.2 Channel Expression in Vascular Smooth Muscle Cells via RhoA and ERK/p38 MAPK Pathways"](#)

