10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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	O95994
Other Accession	NP_006399.1
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}

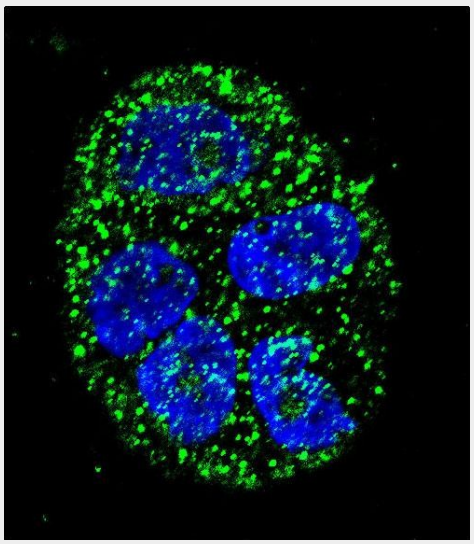
Tissue Location
Expressed strongly in trachea, lung, stomach, colon, prostate and small intestine. Expressed weakly in pituitary gland, salivary gland, mammary gland, bladder, appendix, ovary, fetal lung, uterus, pancreas, kidney, fetal kidney, testis, placenta, thyroid gland and in estrogen receptor (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 Cytomety
- 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 lgG (green). DAPI was used to stain the cell nuclear (blue).

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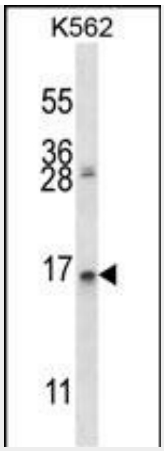
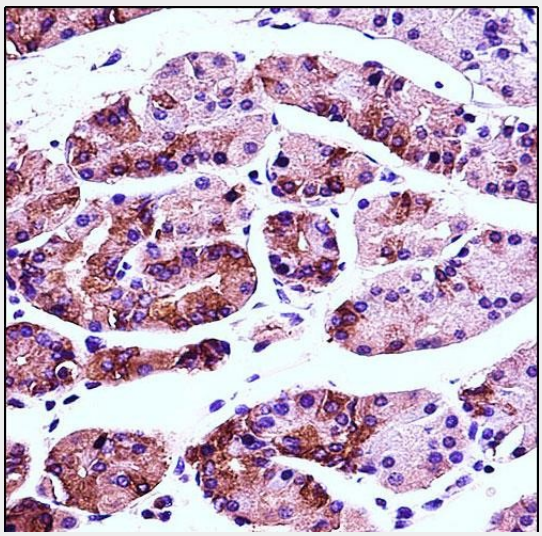


AGR2 Antibody (N-term) (Cat. #AP13845a) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the AGR2 antibody detected the AGR2 protein (arrow).



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"

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