

AGR2 Antibody

Rabbit mAb Catalog # AP90772

Specification

AGR2 Antibody - Product Information

Application WB, IHC, FC, ICC, IP

Primary Accession O95994
Clonality Monoclonal

Other Names

Anterior gradient protein 2 homolog; AG-2; hAG-2; HPC8; Secreted cement gland protein XAG-2

homolog; AGR2; AG2; GOB4; XAG2;

Isotype Rabbit IgG
Host Rabbit
Calculated MW 19979 Da

AGR2 Antibody - Additional Information

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human

AGR2

Description AGR2 is a member of the protein disulfide

isomerase (PDI) family of proteins and a homolog of the Xenopus laevis cement gland protein. 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.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline ,

pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid

freeze / thaw cycle.

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:23274113).



Cellular Location

Secreted. Endoplasmic reticulum {ECO:0000250|UniProtKB:088312}

Tissue Location

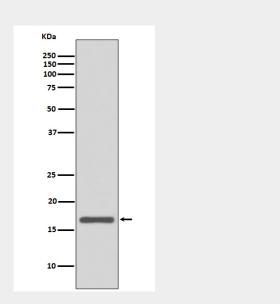
Expressed strongly in trachea, lung, stomach, colon, prostate and small intestine. Expressed weakly in pituitary gland, salivary gland, mammary gland, bladder, appendix, ovary, fetal lung, uterus, pancreas, kidney, fetal kidney, testis, placenta, thyroid gland and in estrogen receptor (ER)-positive breast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

AGR2 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

AGR2 Antibody - Images



Western blot analysis of AGR2 expression in MCF-7 cell lysate.