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AGR2 Antibody

Rabbit mAb
Catalog # AP90772

Product Information

Application	WB, IHC, IF, FC, ICC, IP, IHF
Primary Accession	O95994
Reactivity	Human
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

Additional Information

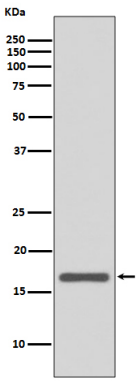
Dilution	WB 1:1000~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:20 FC 1:20
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human AGR2
Description	AGR2 is a member of the protein disulfide isomerase (PDI) family of proteins and a homolog of the Xenopus laevis cement gland 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.

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

Images



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

Image not found : 202311/AP90772-IHC.jpg

Immunohistochemical analysis of paraffin-embedded human uterus, using AGR2 Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.