**Product Name: Anterior Gradient 2 Rabbit Polyclonal Antibody**
**Catalog #: APRab00100**

## Summary

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|---|---|
| **Production Name** | Anterior Gradient 2 Rabbit Polyclonal Antibody |
| **Description** | Primary antibody |
| **Host** | Rabbit |
| **Application** | WB,IHC-P,ICC/IF,FC,IP |
| **Reactivity** | Human |

## Performance

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|---|---|
| **Conjugation** | Unconjugated |
| **Modification** | Unmodified |
| **Isotype** | IgG |
| **Clonality** | Polyclonal Antibody |
| **Form** | Liquid |
| **Storage** | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| **Buffer** | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| **Purification** | Affinity Chromatography |

## Immunogen

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|---|---|
| **Gene Name** | AGR2 |
| **Alternative Names** | Anterior gradient protein 2 homolog; AG-2; hAG-2; HPC8; Secreted cement gland protein XAG-2 homolog; AGR2; AG2; GOB4; XAG2 |
| **Gene ID** | 10551 |
| **SwissProt ID** | O95994 |

## Application

| | |
|---|---|
| **Dilution Ratio** | WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/20 FC: 1/50-1/100 |

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| | |
|---|---|
| **Molecular Weight** | Calculated MW: 20 kDa; Observed MW: 17 kDa |

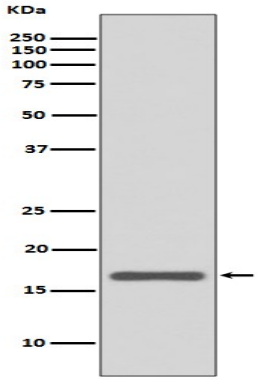
## Background

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.

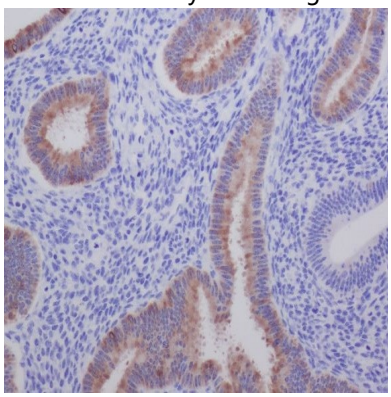
## Research Area

Cancer

## Image Data




Western blot analysis of AGR2 in MCF-7 lysates using Anterior Gradient 2 antibody.



Immunohistochemistry analysis of paraffin-embedded Human uterus using AGR2 antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

## Note

For research use only.