

---

**Product Name: Anterior Gradient 2 Rabbit Monoclonal Antibody****Catalog #: AMRe01497**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,IP
<b>Reactivity</b>	Human,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.51mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200,IP 1:20-1:50
<b>Molecular Weight</b>	Calculated MW: 20 kDa; Observed MW: 20 kDa

**Antigen Information**

<b>Gene Name</b>	AGR2
<b>Alternative Names</b>	Anterior gradient protein 2 homolog; AG-2; hAG-2; HPC8; Secreted cement gland protein XAG-2 homolog; AGR2; AG2; GOB4; XAG2
<b>Gene ID</b>	10551
<b>SwissProt ID</b>	O95994
<b>Immunogen</b>	Recombinant protein of human Anterior Gradient 2

**Background**

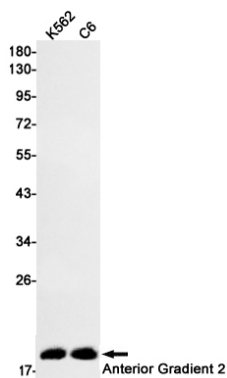
AGR2 is a member of the protein disulfide isomerase (PDI) family of proteins and a homolog of the *Xenopus laevis* cement

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.

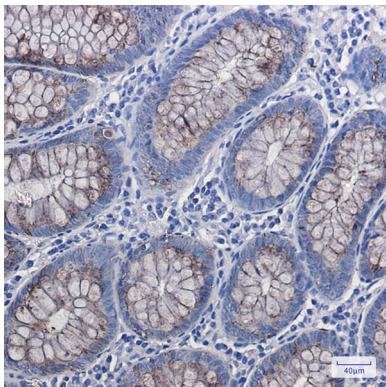
## Research Area

Cancer

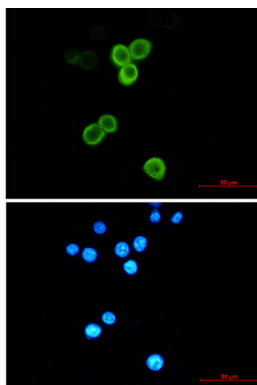
## Image Data



Western blot analysis of Anterior Gradient 2 in K562, C6 lysates using Anterior Gradient 2 antibody.



Immunohistochemistry analysis of paraffin-embedded colon using Anterior Gradient 2 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunocytochemistry analysis of Anterior Gradient 2 (green) in MCF-7 using Anterior Gradient 2 antibody, and DAPI (blue)