

Product datasheet for **TA337147**

AGR2 Mouse Monoclonal Antibody [Clone ID: 10E2]

Product data:

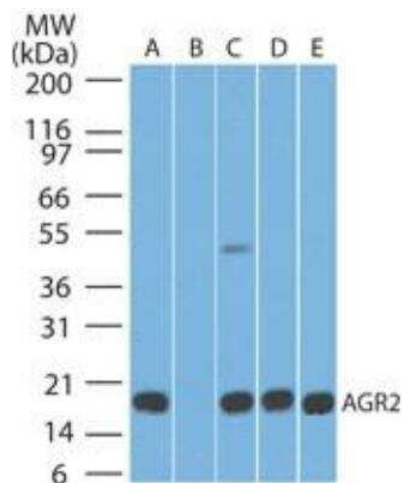
Product Type:	Primary Antibodies
Clone Name:	10E2
Applications:	IHC, WB
Recommended Dilution:	Immunohistochemistry: 5 ug/ml, Western Blot: 4-6ug/ml, Immunohistochemistry-Paraffin: 5 ug/ml
Reactivity:	Human, Mouse, Bovine, Canine, Equine, Primate
Host:	Mouse
Clonality:	Monoclonal
Immunogen:	A portion of amino acids 50-100 of human AGR2 was used as the immunogen for the antibody.
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Protein G purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	anterior gradient 2, protein disulphide isomerase family member
Database Link:	NP_006399 Entrez Gene 23795 Mouse Entrez Gene 10551 Human O95994
Background:	hAG-2 and hAG-3 are recently discovered human homologues of the secreted <i>Xenopus laevis</i> proteins XAG-1/2 (AGR1 and AGR2) that are expressed in the cement gland, an ectodermal organ in the head associated with anteroposterior fate determination during early development. Although the roles of hAG-2 and hAG-3 in mammalian cells are unknown, both proteins share a high degree of protein sequence homology and lie adjacent to one another on chromosome 7p21.
Synonyms:	AG2; GOB-4; HAG-2; HEL-S-116; PDIA17; XAG-2



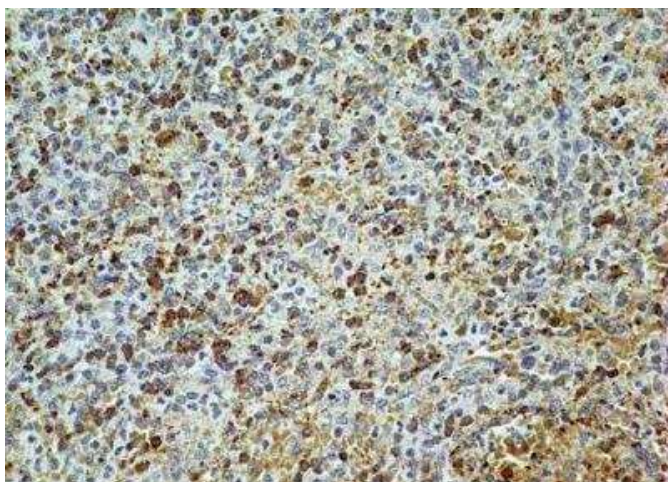
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Protein Families: Secreted Protein

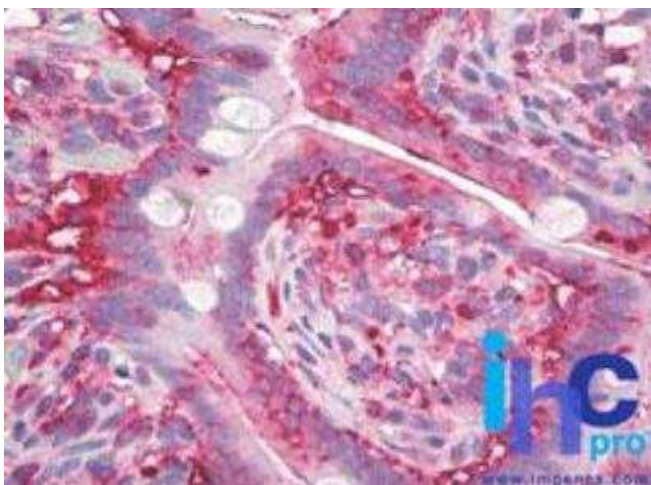
Product images:



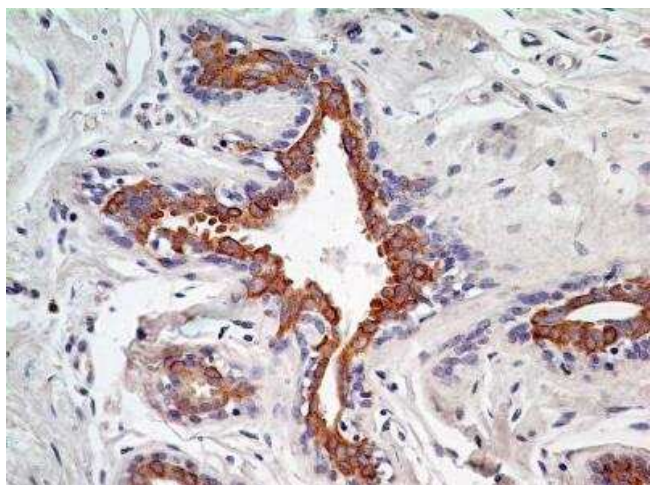
Western Blot: AG-2 Antibody (10E2) TA337147 - Analysis of human stomach in the A) absence and B) presence of immunizing peptide, C) mouse stomach, D) rat stomach tissue lysate, and E) HCT-116 cell lysate using AGR2 antibody at 5 ug/ml. Goat anti-mouse Ig HRP secondary antibody and PicoTect ECL substrate solution were used for this test.



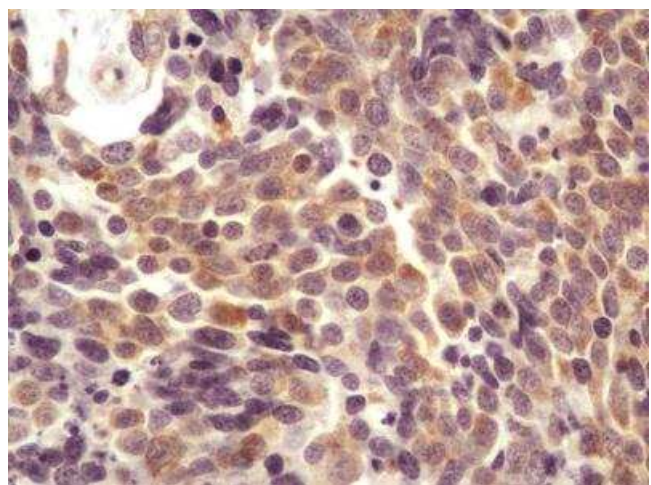
Immunohistochemistry-Paraffin: AG-2 Antibody (10E2) TA337147 - Formalin-fixed, paraffin-embedded human spleen tissue stained with 5 ug/ml concentration of AGR2 antibody .



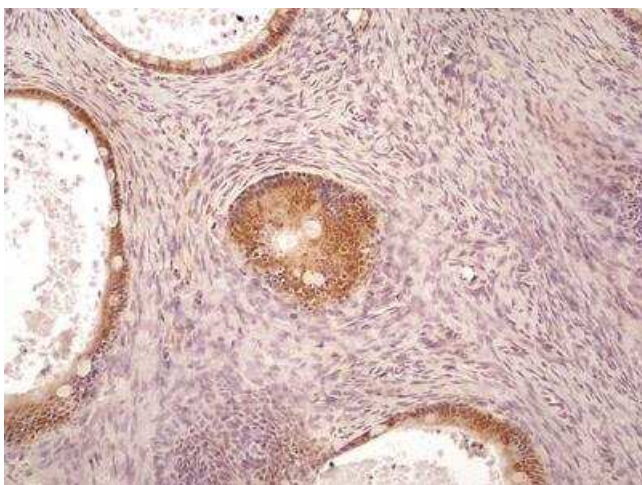
Immunohistochemistry-Paraffin: AG-2 Antibody (10E2) TA337147 - Paraffin-embedded human small intestine tissue stained with AGR2 antibody at 10 ug/ml. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM sodium citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.



Immunohistochemistry-Paraffin: AG-2 Antibody (10E2) TA337147 - Formalin-fixed, paraffin-embedded human breast stained with AGR2 antibody at 5 ug/ml. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM sodium citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.



Immunohistochemistry-Paraffin: AG-2 Antibody (10E2) TA337147 - IHC-P detection of AGR2 protein in a section of human bladder cancer using 5 ug/ml concentration of AGR2 antibody. The AGR2 immunoreactivity was observed in cellular cytoplasm and the inter-cellular spaces in cancerous areas of the sections. [40X magnification]



Immunohistochemistry-Paraffin: AG-2 Antibody (10E2) TA337147 - IHC-P detection of AGR2 protein in a human ovarian cancer section using 5 ug/ml concentration of AGR2 antibody. The representative image shows AGR2 immunoreactivity in the developing ovarian cancer and the follicle cells of Graafian follicles. The cells of medulla region in the ovary did not show AGR2 positivity. [10X magnification]