

# Product Datasheet

## AG-2/AGR2 Antibody (10E2) - BSA Free NBP2-27175

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Updated 9/9/2025 v.20.1

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**NBP2-27175**

AG-2/AGR2 Antibody (10E2) - BSA Free

**Product Information**

|                      |                                                                                        |
|----------------------|----------------------------------------------------------------------------------------|
| <b>Unit Size</b>     | 0.1 mg                                                                                 |
| <b>Concentration</b> | 0.5 mg/ml                                                                              |
| <b>Storage</b>       | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| <b>Clonality</b>     | Monoclonal                                                                             |
| <b>Clone</b>         | 10E2                                                                                   |
| <b>Preservative</b>  | 0.05% Sodium Azide                                                                     |
| <b>Isotype</b>       | IgG1 Kappa                                                                             |
| <b>Purity</b>        | Protein G purified                                                                     |
| <b>Buffer</b>        | PBS                                                                                    |

**Product Description**

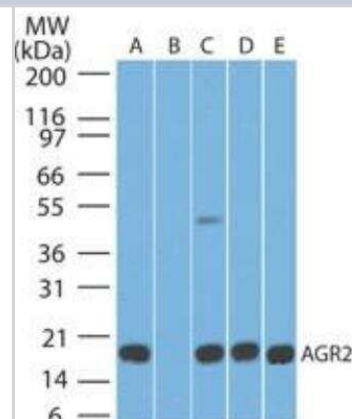
|                         |                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>      | Novus Biologicals Mouse AG-2/AGR2 Antibody (10E2) - BSA Free (NBP2-27175) is a monoclonal antibody validated for use in IHC and WB. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| <b>Host</b>             | Mouse                                                                                                                                                                                                   |
| <b>Gene ID</b>          | 10551                                                                                                                                                                                                   |
| <b>Gene Symbol</b>      | AGR2                                                                                                                                                                                                    |
| <b>Species</b>          | Human, Mouse, Bovine, Canine, Equine, Primate                                                                                                                                                           |
| <b>Reactivity Notes</b> | Orangutan, Panda and Platypus. Immunogen sequence similarity with other species: Xenopus (82%), Chicken (83%).                                                                                          |
| <b>Immunogen</b>        | A portion of amino acids 50-100 of human AGR2 was used as the immunogen for the antibody.                                                                                                               |

**Product Application Details**

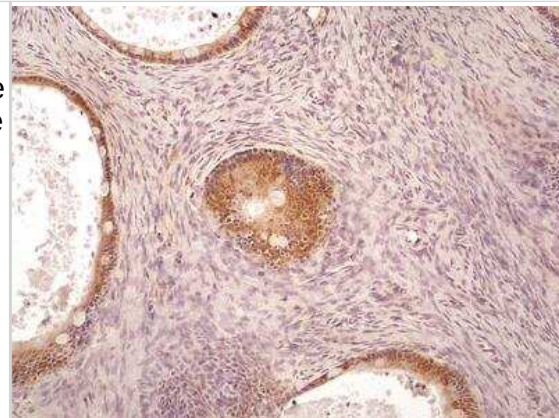
|                              |                                                                                            |
|------------------------------|--------------------------------------------------------------------------------------------|
| <b>Applications</b>          | Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry                          |
| <b>Recommended Dilutions</b> | Western Blot 4-6ug/ml, Immunohistochemistry 5 ug/ml, Immunohistochemistry-Paraffin 5 ug/ml |

**Images**

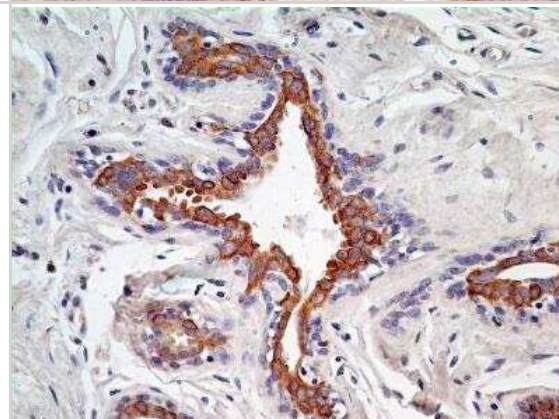
Western Blot: AG-2 Antibody (10E2) [NBP2-27175] - Analysis of human stomach in the A) absense and B) presence of immunizing peptide, C) mouse stomach, D) rat stomach tissue lysate, and E) HCT-116 cell lysate using AGR2 antibody at 5 ug/ml. Goat anti-mouse Ig HRP secondary antibody and PicoTect ECL substrate solution were used for this test.



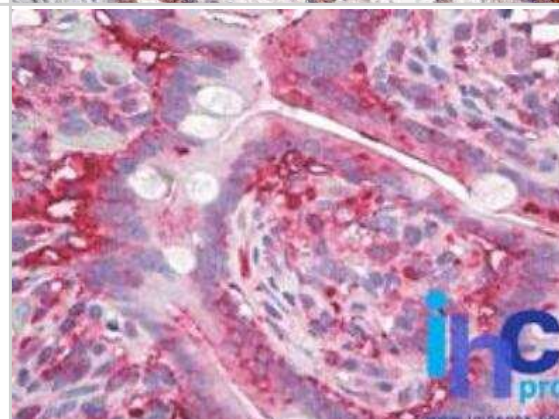
Immunohistochemistry-Paraffin: AG-2 Antibody (10E2) [NBP2-27175] - IHC-P detection of AGR2 protein in a human ovarian cancer section using 5 ug/ml concentration of AGR2 antibody. The representative image shows AGR2 immuno-reactivity in the developing ovarian cancer and the follicle cells of Graafian follicles. The cells of medulla region in the ovary did not show AGR2 positivity. [10X magnification]



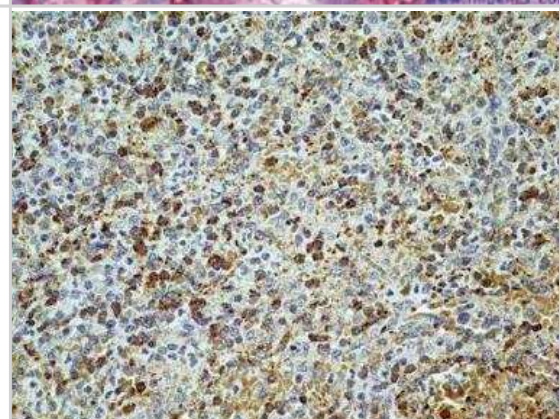
Immunohistochemistry-Paraffin: AG-2 Antibody (10E2) [NBP2-27175] - Formalin-fixed, paraffin-embedded human breast stained with AGR2 antibody at 5 ug/ml. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM sodium citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.



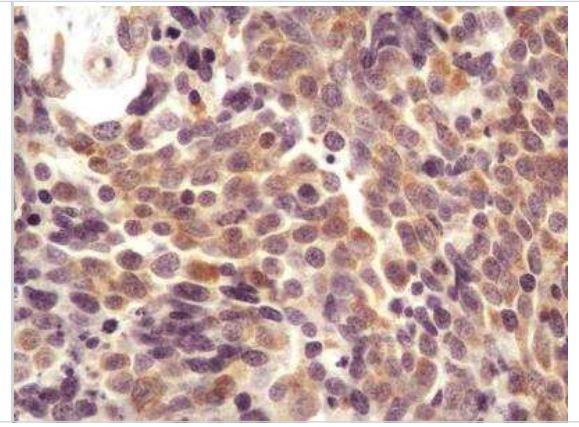
Immunohistochemistry-Paraffin: AG-2 Antibody (10E2) [NBP2-27175] - Paraffin-embedded human small intestine tissue stained with AGR2 antibody at 10 ug/ml. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM sodium citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.



Immunohistochemistry-Paraffin: AG-2 Antibody (10E2) [NBP2-27175] - Formalin-fixed, paraffin-embedded human spleen tissue stained with 5 ug/ml concentration of AGR2 antibody .



Immunohistochemistry-Paraffin: AG-2 Antibody (10E2) [NBP2-27175] - 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]





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### **Products Related to NBP2-27175**

|                  |                                                         |
|------------------|---------------------------------------------------------|
| NBP2-07625       | AG-2/AGR2 Overexpression Lysate                         |
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B          | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)           |

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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