

# Product Datasheet

## AG-2/AGR2 Antibody - BSA Free NBP1-89212

Unit Size: 0.1 ml

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

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**NBP1-89212**

AG-2/AGR2 Antibody - BSA Free

| Product Information  |  |
|----------------------|--|
| <b>Unit Size</b>     | 0.1 ml   |
| <b>Concentration</b> | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| <b>Storage</b>       | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.                           |
| <b>Clonality</b>     | Polyclonal   |
| <b>Preservative</b>  | 0.02% Sodium Azide   |
| <b>Isotype</b>       | IgG  |
| <b>Purity</b>        | Affinity purified  |
| <b>Buffer</b>        | PBS (pH 7.2) and 40% Glycerol  |

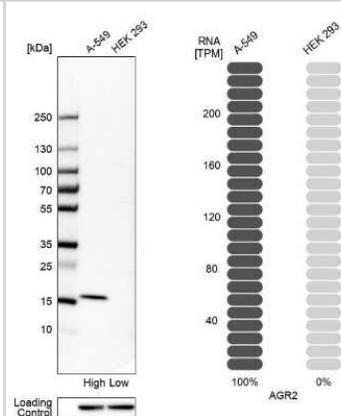
| Product Description     |   |
|-------------------------|---|
| <b>Description</b>      | Novus Biologicals Rabbit AG-2/AGR2 Antibody - BSA Free (NBP1-89212) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-AG-2/AGR2 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| <b>Host</b>             | Rabbit  |
| <b>Gene ID</b>          | 10551   |
| <b>Gene Symbol</b>      | AGR2  |
| <b>Species</b>          | Human   |
| <b>Reactivity Notes</b> | Reactivity reported in scientific literature (PMID: 23435261)   |
| <b>Immunogen</b>        | This antibody was developed against Recombinant Protein corresponding to amino acids:<br>RDTTVKPGAKKDTKDSRPKLPQTL SRGWGDQLIWTQTYEEALYKSKTSNKPL<br>MIIHHLDECPHSQALKKVFAENKEIQKLAEQFVLLNLVYETTDKHLSPDGQYVP<br>RIMFVDPSLTVRADITGR                              |

| Product Application Details  |  |
|------------------------------|--|
| <b>Applications</b>          | Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry   |
| <b>Recommended Dilutions</b> | Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000 |
| <b>Application Notes</b>     | For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.  |

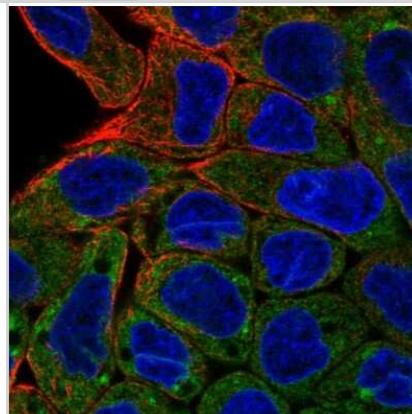


## Images

Western Blot: AG-2 Antibody [NBP1-89212] - Analysis in human cell lines A-549 and HEK293 using anti-AGR2 antibody. Corresponding AGR2 RNA-seq data are presented for the same cell lines. Loading control: anti-HSP90B1.



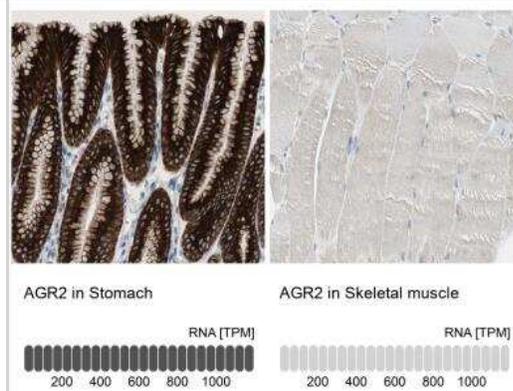
Immunocytochemistry/Immunofluorescence: AG-2 Antibody [NBP1-89212] - Staining of human cell line RT4 shows localization to cytosol. Antibody staining is shown in green.



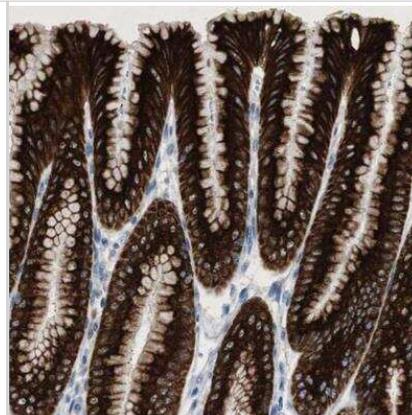
Immunohistochemistry-Paraffin: AG-2 Antibody [NBP1-89212] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



Immunohistochemistry-Paraffin: AG-2 Antibody [NBP1-89212] - Analysis in human stomach and skeletal muscle tissues. Corresponding AGR2 RNA-seq data are presented for the same tissues.



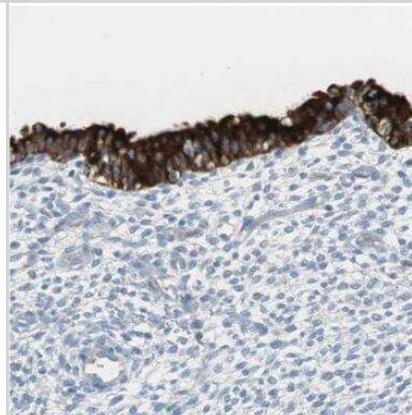
Immunohistochemistry-Paraffin: AG-2 Antibody [NBP1-89212] - Staining of human stomach shows moderate to strong cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: AG-2 Antibody [NBP1-89212] - Staining of human colon shows moderate to strong cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: AG-2 Antibody [NBP1-89212] - Staining of human endometrium shows moderate to strong cytoplasmic positivity in glandular cells.



## Publications

Hrstka R, Brychtova V, Fabian P et al. AGR2 Predicts Tamoxifen Resistance in Postmenopausal Breast Cancer Patients. *Dis Markers* 2013-01-01 [PMID: 24167368] (IF/IHC)

Stadler C, Rexhepaj E, Singan VR et al. Immunofluorescence and fluorescent-protein tagging show high correlation for protein localization in mammalian cells. *Nat Methods* 2013-04-01 [PMID: 23435261]



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### **Products Related to NBP1-89212**

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|               |   |
|---------------|---|
| NBP1-89212PEP | AG-2/AGR2 Recombinant Protein Antigen               |
| NBP2-33376H   | Blue Marker Antibody (6F4-F6) [HRP]                 |
| HAF008        | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160        | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891    | Rabbit IgG Isotype Control                          |

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### **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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