

# Product Datasheet

## AG-2/AGR2 Antibody - BSA Free

### NBP1-05933

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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**NBP1-05933**

AG-2/AGR2 Antibody - BSA Free

| Product Information |                                                                                        |
|---------------------|----------------------------------------------------------------------------------------|
| Unit Size           | 0.1 ml                                                                                 |
| Concentration       | 1 mg/ml                                                                                |
| Storage             | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality           | Polyclonal                                                                             |
| Preservative        | 0.1% Sodium Azide                                                                      |
| Isotype             | IgG                                                                                    |
| Purity              | Immunogen affinity purified                                                            |
| Buffer              | PBS and 30% Glycerol                                                                   |

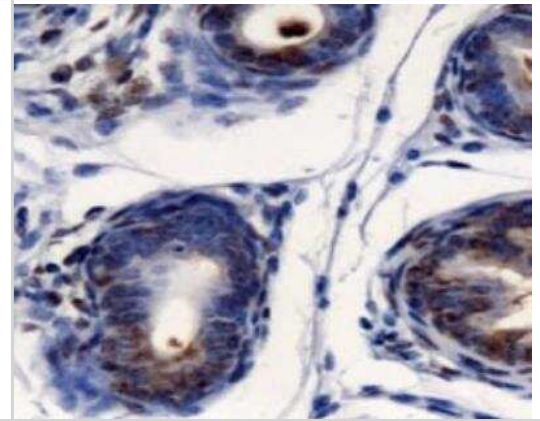
| Product Description |                                                                                                                                                                                            |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description         | Novus Biologicals Rabbit AG-2/AGR2 Antibody - BSA Free (NBP1-05933) is a polyclonal antibody validated for use in IHC. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host                | Rabbit                                                                                                                                                                                     |
| Gene ID             | 10551                                                                                                                                                                                      |
| Gene Symbol         | AGR2                                                                                                                                                                                       |
| Species             | Human, Mouse                                                                                                                                                                               |
| Reactivity Notes    | Immunogen displays the following percentage of sequence identity for non-tested species: bovine (100% ).                                                                                   |
| Immunogen           | Synthetic peptide made to an internal portion of human AGR2 (within residues 50-100). [Swiss-Prot# O95994]                                                                                 |

| Product Application Details |                                                                                                                                                    |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Applications                | Immunohistochemistry-Paraffin, Immunohistochemistry, ICC/IF (Negative)                                                                             |
| Recommended Dilutions       | Immunohistochemistry 1:100-1:300, Immunohistochemistry-Paraffin 1:100-1:300, ICC/IF (Negative)                                                     |
| Application Notes           | This AGR2 antibody is useful for Immunohistochemistry paraffin embedded sections. It is not applicable for Immunocytochemistry/Immunofluorescence. |

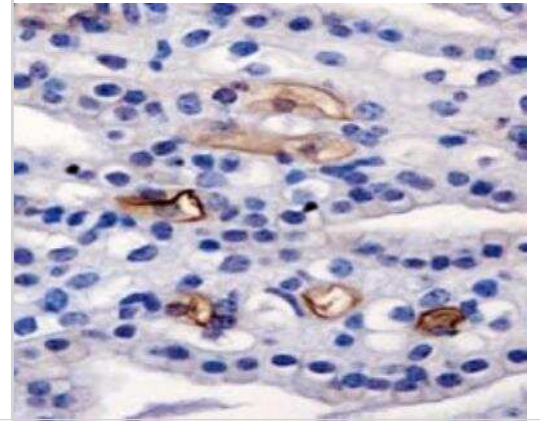


## Images

Immunohistochemistry-Paraffin: AG-2 Antibody [NBP1-05933] - Detection of AGR2 in mouse prostate.



Immunohistochemistry: AG-2 Antibody [NBP1-05933] - Detection of AGR2 in mouse kidney.



## Procedures

### Protocol specific for AGR2 Antibody (NBP1-05933)

AG-2/AGR2 Antibody:

Antigen Unmasking

Bring slides to a boil in 10 mM sodium citrate buffer pH 6.0 then maintain at a sub-boiling temperature for 10 minutes. Cool slides on bench top for 30 minutes.

#### Staining

1. Wash sections in dH<sub>2</sub>O three times for 5 minutes each.
2. Wash section in wash buffer (1X PBS/0.1% Tween-20 (1X PBST)) for 5 minutes.
3. Block each section with 100-400 ul blocking solution (1X PBST, 5% goat serum) for 1 hour at room temperature.
4. Remove blocking solution and add 100-400 ul primary antibody diluted in 1X PBST, 5% goat serum to each section. Incubate overnight at 4C.
5. Remove antibody solution and wash sections in wash buffer three times for 5 minutes each.
6. Add 100-400 ul biotinylated secondary antibody, diluted in 1X PBST, 5% goat serum. Incubate 30 minutes at room temperature.
7. Remove secondary antibody solution and wash sections three times with wash buffer for 5 minutes each.
8. Add 100-400 ul Stryptavidin-HRP reagent to each section and incubate for 30 minutes at room temperature.
9. Wash sections three times in wash buffer for 5 minutes each.
10. Add 100-400 ul DAB substrate to each section and monitor staining closely.
11. As soon as the sections develop, immerse slides in dH<sub>2</sub>O.
12. Counterstain sections in hematoxylin.
13. Wash sections in dH<sub>2</sub>O two times for 5 minutes each.
14. Dehydrate sections.
15. Mount coverslips.





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### **Products Related to NBP1-05933**

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|               |                                                     |
|---------------|-----------------------------------------------------|
| NBP1-05933PEP | AG-2/AGR2 Antibody Blocking Peptide                 |
| 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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