

# Product Datasheet

## GPR175 Antibody NLS1522

Unit Size: 0.05 ml

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

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**NLS1522**

GPR175 Antibody

**Product Information**

<b>Unit Size</b>	0.05 ml
<b>Concentration</b>	1.0 mg/ml
<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>	0.1% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS

**Product Description**

<b>Host</b>	Rabbit
<b>Gene ID</b>	131601
<b>Gene Symbol</b>	TPRA1
<b>Species</b>	Human, Primate, Monkey
<b>Reactivity Notes</b>	Gorilla, Gibbon, Marmoset. Predicted cross-reactivity based on sequence identity: Elephant (94%), Seabass (94%), Salmon (94%), Pufferfish (94%), Stickleback (94%), Mouse (88%), Rat (88%), Canine (88%), Bovine (88%), Panda (88%), Rabbit (88%), Porcine (88%), Platypus (88%), Lizard (88%).
<b>Specificity/Sensitivity</b>	Human TPRA1 / GPR175. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
<b>Immunogen</b>	Synthetic 16 amino acid peptide from 1st cytoplasmic domain of human TPRA1 / GPR175.

**Product Application Details**

<b>Applications</b>	Immunohistochemistry, Immunohistochemistry-Paraffin, Immunocytochemistry
<b>Recommended Dilutions</b>	Immunohistochemistry, Immunohistochemistry-Paraffin 4-19 ug/ml, Immunocytochemistry 1:10 - 1:500

**Images**

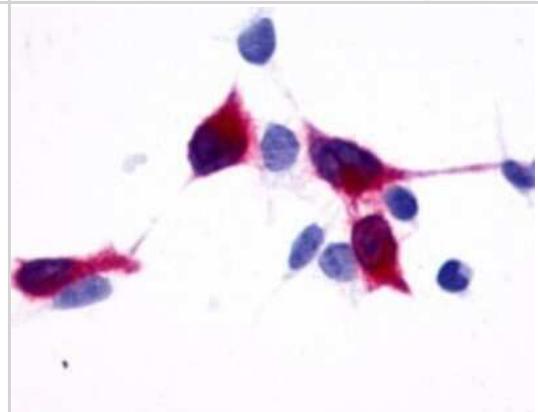
Immunohistochemistry-Paraffin: GPR175 Antibody [NLS1522] - Anti-TPRA1 / GPR175 antibody IHC of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



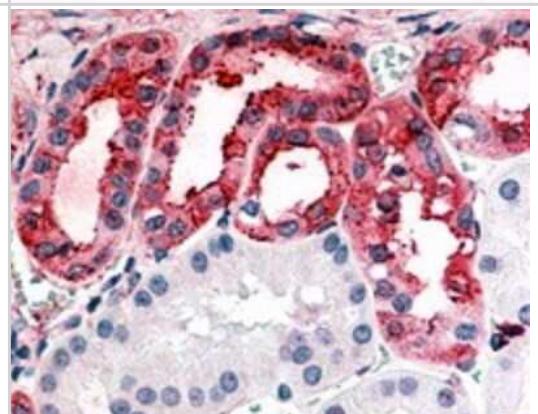
Immunohistochemistry-Paraffin: GPR175 Antibody [NLS1522] - Analysis of anti-TPRA1 / GPR175 antibody with cells expressing vector only at 8 ug/ ml.



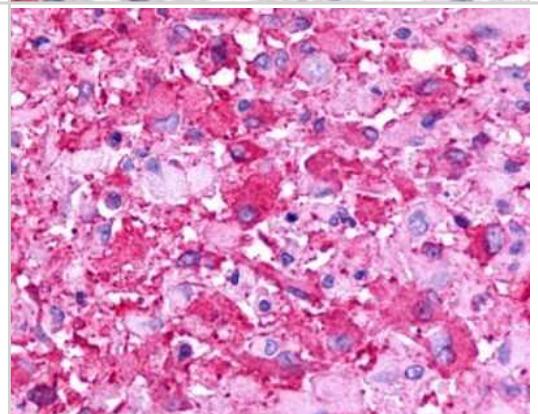
Immunohistochemistry: GPR175 Antibody [NLS1522] - Analysis of transfected cells expressing GPR175 using this antibody at 8 ug/ml.



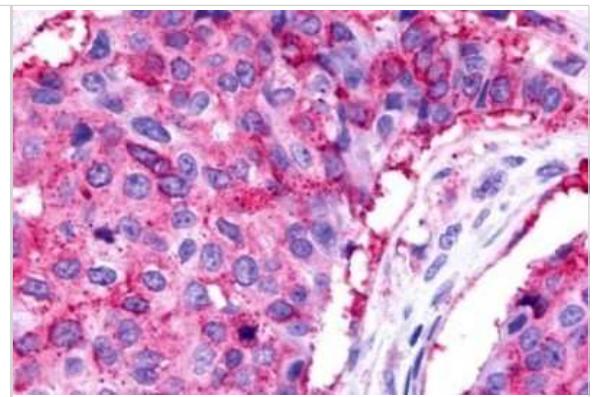
Immunohistochemistry-Paraffin: GPR175 Antibody [NLS1522] - IHC analysis of Kidney using this antibody at 8 ug/ml.



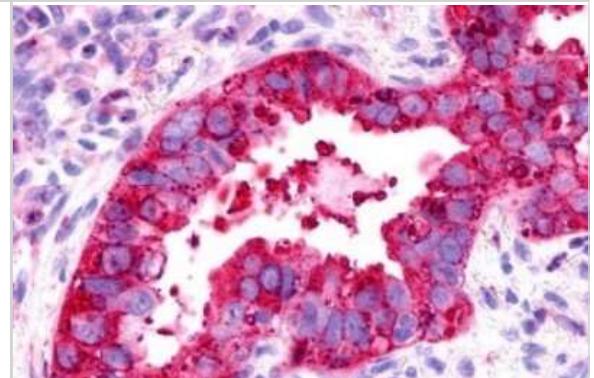
Immunohistochemistry-Paraffin: GPR175 Antibody [NLS1522] - Analysis of anti-TPRA1 / GPR175 antibody with human brain, glioblastoma.



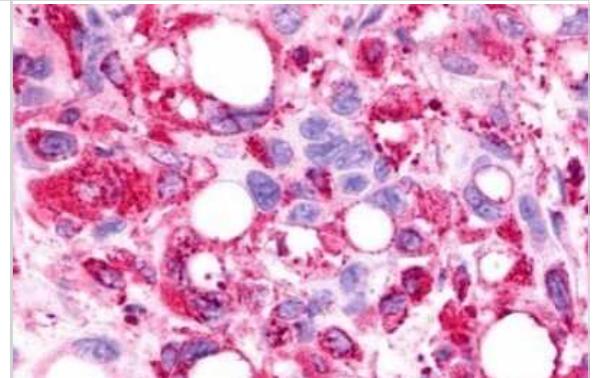
Immunohistochemistry-Paraffin: GPR175 Antibody [NLS1522] - Anti-TPRA1 / GPR175 antibody IHC of human Breast, Carcinoma.  
Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



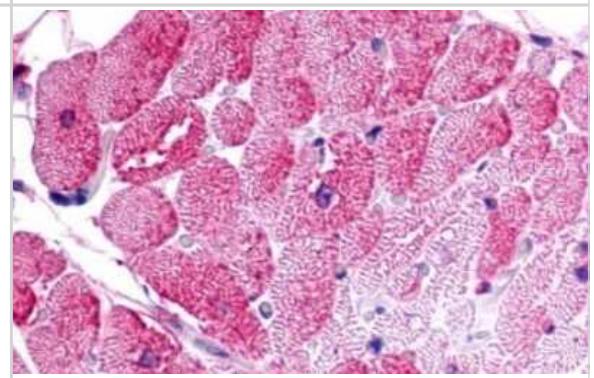
Immunohistochemistry-Paraffin: GPR175 Antibody [NLS1522] - Anti-TPRA1 / GPR175 antibody IHC of human Lung, Adenocarcinoma.  
Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry-Paraffin: GPR175 Antibody [NLS1522] - Anti-TPRA1 / GPR175 antibody IHC of human Pancreas, Carcinoma.  
Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry-Paraffin: GPR175 Antibody [NLS1522] - Anti-TPRA1 / GPR175 antibody IHC of human heart. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



## Procedures

### Immunohistochemistry protocol for GPR175 Antibody (NLS1522)

Immunohistochemistry Protocol for GPR175 Antibody (NLS1522):

Immunohistochemistry

1. Prepare tissue with formalin fixation and by embedding it in paraffin wax.
2. Make 4-um sections and place on pre-cleaned and charged microscope slides.
3. Heat in a tissue-drying oven for 45 minutes at 60 degrees Celcius.
4. Deparaffinize the tissues by wash drying the slides in 3 changes of xylene approximately 5 minutes each @ RT.
5. Rehydrate the tissues by washing the slides in 3 changes of 100% alcohol approximately 3 minutes each @ RT.
6. Wash the slides in 2 changes of 95% alcohol approximately 3 minutes each @ RT.
7. Wash the slides in 1 change of 80% alcohol approximately 3 minutes @ RT.
8. Rinse the slides in gentle running distilled water approximately 5 minutes @ RT.
9. Perform antigen retrieval by steaming the slides in 0.01M sodium citrate buffer (pH 6.0) @ 99-100 degrees Celcius for 20 minutes.
10. Remove the slides from the heat and let stand in buffer @ RT for 20 minutes.
11. Rinse the slides in 1X TBS-T for 1 minute @ RT.

\*\*Do not allow the tissues to dry at any time during the staining procedure\*\*

12. Begin the immunostaining by applying a universal protein block approximately 20 minutes @ RT.
13. Drain protein block from the slides and apply the diluted primary antibody approximately 45 minutes @ RT.
14. Rinse the slide in 1X TBS-T approximately 1 minute @ RT.
15. Apply a biotinylated anti-rabbit IgG (H+L) secondary approximately 30 minutes @ RT.
16. Rinse the slide in 1X TBS-T approximately 1 minute at RT.
17. Apply an alkaline phosphatase streptavidin approximately 30 minutes at RT.
18. Rinse the slide in 1X TBS-T approximately 1 minute at RT.
19. Apply an alkaline phosphatase chromagen substrate approximately 30 minutes at RT.
20. Rinse the slide in distilled water approximately 1 minute @ RT.

\*\*This method should only be used if the chromagen substrate is alcohol insoluble (ie: Vector Red, DAB)\*\*

21. Dehydrate the tissue by washing the slides in 2 changes of 80% alcohol approximately 1 minute each @ RT.
22. Wash the slides in 2 changes of 95% alcohol approximately 1 minute each @ RT.
23. Wash the slides in 3 changes of 100% alcohol approximately 1 minute each @ RT.
24. Wash the slides in 3 changes of xylene approximately 1 minute each @ RT.
25. Apply cover slip.



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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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