

Product Datasheet

TAS1R3 Antibody - BSA Free NLS5060

Unit Size: 0.05 ml

Keep as concentrated solution. Aliquot and store at -20C or below. Avoid multiple freeze-thaw cycles.

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NLS5060

TAS1R3 Antibody - BSA Free

Product Information

Unit Size	0.05 ml
Concentration	1.0 mg/ml
Storage	Keep as concentrated solution. Aliquot and store at -20C or below. Avoid multiple freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS

Product Description

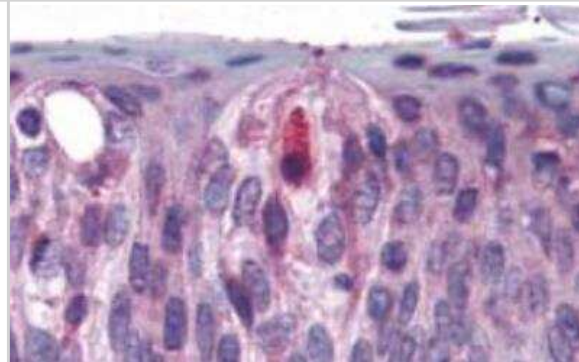
Description	Product can be stored undiluted at 4C for up to 1 month.
Host	Rabbit
Gene ID	83756
Gene Symbol	TAS1R3
Species	Human
Reactivity Notes	Predicted cross-reactivity based on sequence identity: Gorilla (100%), Baboon (100%), Orangutan (89%).
Specificity/Sensitivity	Human TAS1R3. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Immunogen	Synthetic 19 amino acid peptide from N-terminal extracellular domain of human TAS1R3.

Product Application Details

Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 10 - 20 ug/ml
Application Notes	WB, ICC/IF reactivity reported in (PMID: 21422378).

Images

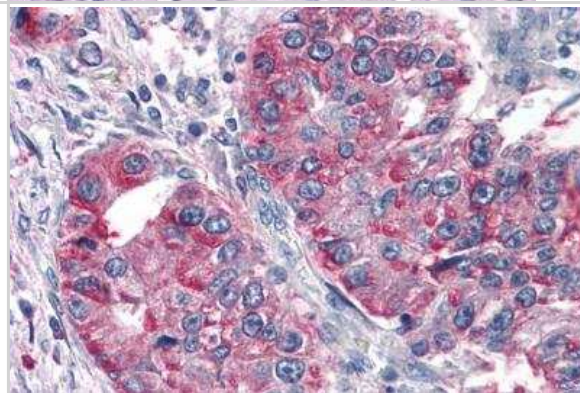
Immunohistochemistry-Paraffin: TAS1R3 Antibody [NLS5060] - Tongue, taste receptor



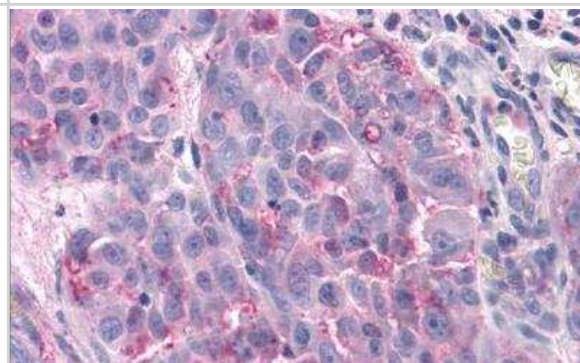
Immunohistochemistry-Paraffin: TAS1R3 Antibody [NLS5060] - Analysis of anti-T1R3 / TAS1R3 antibody with tongue, squamous epithelium at 17 ug/ ml.



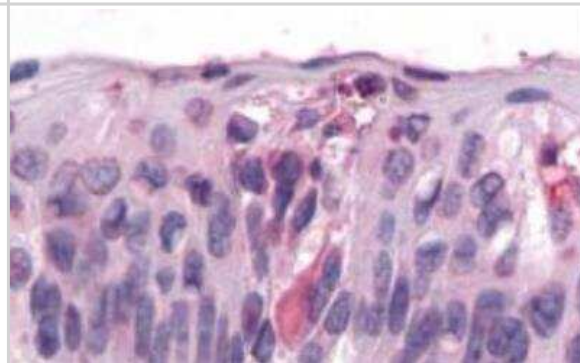
Immunohistochemistry-Paraffin: TAS1R3 Antibody [NLS5060] - Analysis of anti-T1R3 / TAS1R3 antibody with human lung, non-small cell carcinoma.



Immunohistochemistry-Paraffin: TAS1R3 Antibody [NLS5060] - Human Skin, Melanoma tissue after heat-induced antigen retrieval.



Immunohistochemistry-Paraffin: TAS1R3 Antibody [NLS5060] - Tongue, taste receptor



Publications

Raliou M, Grauso M, Hoffmann B, Schlegel-Le-Poupon C, Nespoulous C, Debat H, Belloir C, Wiencis A, Sigoillot M, Bano SP, Trotier D, Pernollet JC, Montmayeur JP, Faurion A, BriL. Human genetic polymorphisms in T1R1 and T1R3 taste receptor subunits affect their function. Chem Senses;36(6):527-37. 2011-07-01 [PMID: 21422378] (WB, ICC/IF, Human)

Procedures

Immunohistochemistry protocol for TAS1R3 Antibody (NLS5060)

Immunohistochemistry Protocol for TAS1R3 Antibody (NLS5060):

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 @ 60 degrees Celcius.
4. Deparaffinize the tissues by wash drying the slides in 3 changes of xylene for 5 minutes each @ RT.
5. Rehydrate the tissues by washing the slides in 3 changes of 100% alcohol for 3 minutes each @ RT.
6. Wash the slides in 2 changes of 95% alcohol for 3 minutes each @ RT.
7. Wash the slides in 1 change of 80% alcohol for 3 minutes @ RT.
8. Rinse the slides in gentle running distilled water for 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 for 20 minutes @ RT.
13. Drain protein block from the slides and apply the diluted primary antibody for 45 minutes @ RT.
14. Rinse the slide in 1X TBS-T for 1 minute @ RT.
15. Apply a biotinylated anti-rabbit IgG (H+L) secondary for 30 minutes @ RT.
16. Rinse the slide in 1X TBS-T for 1 minute @ RT.
17. Apply an alkaline phosphatase streptavidin for 30 minutes @ RT.
18. Rinse the slide in 1X TBS-T for 1 minute @ RT.
19. Apply an alkaline phosphatase chromagen substrate for 30 minutes @ RT.
20. Rinse the slide in distilled water for 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 for 1 minute each @ RT.
22. Wash the slides in 2 changes of 95% alcohol for 1 minute each @ RT.
23. Wash the slides in 3 changes of 100% alcohol for 1 minute each @ RT.
24. Wash the slides in 3 changes of xylene for 1 minute each @ RT.
25. Apply cover slip.





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Products Related to NLS5060

NBL1-16707	TAS1R3 Overexpression Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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