

Product Datasheet

Cdx1 Antibody - BSA Free NBP1-49538

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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Publications: 4

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NBP1-49538

Cdx1 Antibody - BSA Free

| Product Information | |
|---------------------|--|
| Unit Size | 0.1 ml |
| Concentration | 0.55 mg/ml |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Polyclonal |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG |
| Purity | Immunogen affinity purified |
| Buffer | PBS and 30% Glycerol |

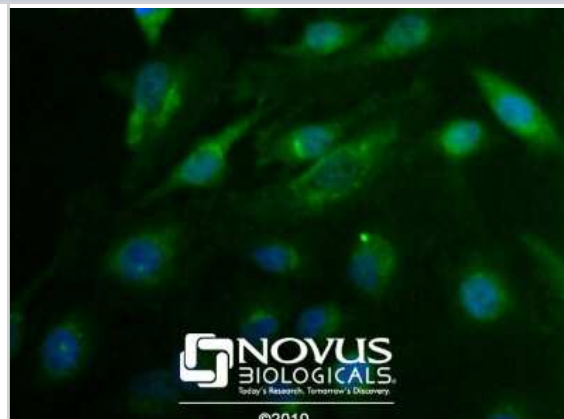
| Product Description | |
|---------------------|---|
| Description | Novus Biologicals Rabbit Cdx1 Antibody - BSA Free (NBP1-49538) is a polyclonal antibody validated for use in IHC and ICC/IF. Anti-Cdx1 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host | Rabbit |
| Gene ID | 1044 |
| Gene Symbol | CDX1 |
| Species | Human, Mouse |
| Immunogen | A genomic peptide made to an internal region of the human Cdx1 protein (within residues 30-150). [Swiss-Prot P47902] |
| Notes | Manufactured by Genomic Antibody Technology™. GAT FAQs |

| Product Application Details | |
|-----------------------------|--|
| Applications | Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry |
| Recommended Dilutions | Immunohistochemistry 1:200, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:200 |
| Application Notes | This Cdx1 antibody is useful for IHC and ICC. |

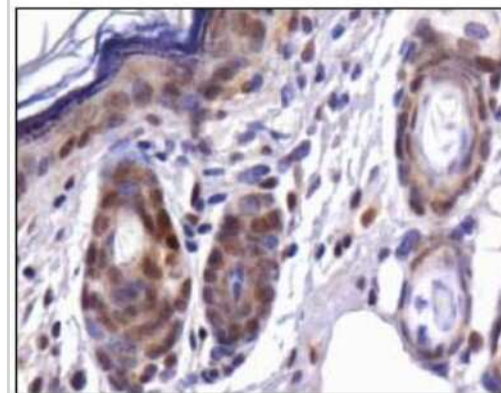


Images

Immunocytochemistry/Immunofluorescence: Cdx1 Antibody [NBP1-49538] - HeLa cells using NBP1-49538. Nuclei (Blue) are counterstained using Hoechst 33258.



Immunohistochemistry: Cdx1 Antibody [NBP1-49538] - Analysis of CDX1 in mouse skin



Publications

Che YH, Choi IY, Song CE et al. Peripheral Neuron-Organoid Interaction Induces Colonic Epithelial Differentiation via Non-Synaptic Substance P Secretion International Journal of Stem Cells 2023-08-30 [PMID: 37385635]

H Tsujimoto, T Kasahara, SI Sueta, T Araoka, S Sakamoto, C Okada, SI Mae, T Nakajima, N Okamoto, D Taura, M Nasu, T Shimizu, M Ryosaka, Z Li, M Sone, M Ikeya, A Watanabe, K Osafune A Modular Differentiation System Maps Multiple Human Kidney Lineages from Pluripotent Stem Cells Cell Rep, 2020-04-07;31(1):107476. 2020-04-07 [PMID: 32268094]

Douchi D, Yamamura A, Matsuo J et al. A point mutation R122C in RUNX3 promotes the expansion of isthmus stem cells and inhibits their differentiation in the stomach Cellular and molecular gastroenterology and hepatology 2022-01-21 [PMID: 35074568] (IHC-P, Mouse)

Douchi D, Yamamura A, Matsuo J Et al. Induction of gastric cancer by successive oncogenic activation in the corpus Gastroenterology 2021-08-12 [PMID: 34391772] (ICC/IF, Mouse)

Procedures

Immunohistochemistry-Paraffin protocol for Cdx1 Antibody (NBP1-49538)

Cdx1 Antibody:

Immunohistochemistry-paraffin embedded sections

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 dH₂O 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 Striavidin-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 dH₂O.
12. Counterstain sections in hematoxylin.
13. Wash sections in dH₂O two times for 5 minutes each.
14. Dehydrate sections.
15. Mount coverslips.

Immunocytochemistry/Immunofluorescence protocol for Cdx1 Antibody (NBP1-49538)

Cdx1 Antibody:

Immunocytochemistry Protocol

Culture cells to appropriate density in 35mm culture dishes or 6-well plates.

1. Pull off culture medium with and add 10% formalin to the dish. Fix at room temperature for 30 minutes..
2. Take off the formalin and add ice cold methanol (kept in well sealed bottle in -20C). Incubate for 5-10 minutes.
3. Take off methanol and add PBS (You can add 0.1% Tween-20 to PBS used here and all subsequent steps), be sure to not let the specimen dry out. Wash 3 times 10 minutes before proceeding to blocking step.
4. To block nonspecific antibody binding incubate in 10% normal goat serum for a minimum of 1 hr at room temp. Cells can also block overnight at 4C for this step.
5. Add primary antibody at appropriate dilution and incubate at room temp for 2 hrs or overnight at room temp.
6. Remove primary antibody and replace with PBS. Wash 3 x 10 min in PBS.
7. Add secondary antibody at appropriate dilution. Incubate for 1 hr at room temperature
8. Remove antibody and replace with PBS, wash 1 x 10 min in PBS. Add Hoechst 33258 to PBS at 1:25,000 and incubate for 10 min. Wash a third time with PBS for 10 min (total of 3X10min PBS washes).
9. Cells can be viewed directly after washing. The plates can also be stored in PBS containing Azide and parafilm. Cells can also be coverslipped using Fluoromount. If storing coverslip be sure to seal the edges with clear nail polish.

*The above information is only intended as a guide. The researcher should determine what protocol best meets their needs. Please follow safe laboratory procedures.



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Products Related to NBP1-49538

| | |
|-------------|---|
| HAF008 | Goat anti-Rabbit IgG Secondary Antibody [HRP] |
| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891 | Rabbit IgG Isotype Control |
| NBP1-49538H | Cdx1 Antibody [HRP] |

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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