

# Product Datasheet

## CDX2 Antibody - BSA Free

### NB100-2136

Unit Size: 100 ul

Store at 4C. Do not freeze.

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**NB100-2136**

CDX2 Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

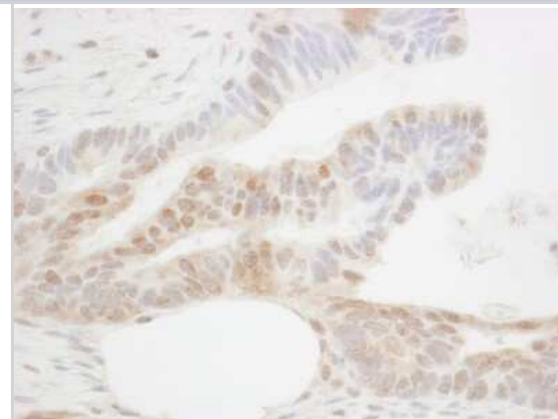
Product Description	
Description	Novus Biologicals Rabbit CDX2 Antibody - BSA Free (NB100-2136) is a polyclonal antibody validated for use in IHC, ICC/IF and IP. Anti-CDX2 Antibody: Cited in 12 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	1045
Gene Symbol	CDX2
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID:33207226).
Immunogen	The immunogen recognized by this antibody maps to a region between residue 250 and 300 of human Caudal Type Homeobox Transcription Factor 2 using the numbering given in entry NP_001256.1 (GeneID 1045).

Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunohistochemistry, Immunoprecipitation, Western Blot (Negative)
Recommended Dilutions	Immunohistochemistry 1:500-1:2000, Immunoprecipitation 1-4 ug/mg lysate, Immunohistochemistry-Paraffin 1:500 - 1:2000, Western Blot (Negative)
Application Notes	Western Blot Not recommended. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

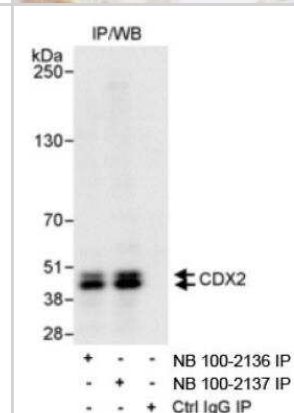


## Images

Immunohistochemistry-Paraffin: CDX2 Antibody [NB100-2136] - FFPE section of human ovarian carcinoma. Antibody: Affinity purified rabbit anti-CDX2 used at a dilution of 1:1,000 (1ug/ml). Detection: DAB



Immunoprecipitation: CDX2 Antibody [NB100-2136] - Detection of Human CDX2 on HeLa whole cell lysate using NB100-2136. CDX2 was also immunoprecipitated by rabbit anti-CDX2 antibody NB100-2137 using 3 mcg/mg lysate.



## Publications

- Mena-Osuna R, Mantrana A, Guil-Luna S et al. Metabolic shift underlies tumor progression and immune evasion in S-nitrosoglutathione reductase-deficient cancer *The Journal of pathology* 2023-04-05 [PMID: 37017456] (IHC, Human)
- Mochizuki K, Kudo SE, Kato K et al. Molecular and clinicopathological differences between depressed and protruded T2 colorectal cancer *PloS one* 2022-10-20 [PMID: 36264865] (IF/IHC, Human)
- Adhikari D, Lee IW, Al-Zubaidi U et al. Depletion of oocyte dynamin-related protein 1 shows maternal-effect abnormalities in embryonic development *Science advances* 2022-06-17 [PMID: 35704569] (ICC/IF, Mouse)
- Kasashima H, Duran A, Martinez-Ordoñez A et al. Stromal SOX2 Upregulation Promotes Tumorigenesis through the Generation of a SFRP1/2-Expressing Cancer-Associated Fibroblast Population *Dev Cell* 2020-11-10 [PMID: 33207226] (IF/IHC, Mouse)
- Li Y, Yao Q, Zhang L et al. Immunohistochemistry-Based Consensus Molecular Subtypes as a Prognostic and Predictive Biomarker for Adjuvant Chemotherapy in Patients with Stage II Colorectal Cancer *Oncologist* 2020-09-14 [PMID: 32926498] (MiAr, Human)
- Yao Y, Xu X, Yang L et al. Patient-Derived Organoids Predict Chemoradiation Responses of Locally Advanced Rectal Cancer *Cell Stem Cell* 2019-11-19 [PMID: 31761724] (IF/IHC, Human)
- Sandberg TP, Sweere I, van Pelt GW et al. Prognostic value of low CDX2 expression in colorectal cancers with a high stromal content - a short report *Cell Oncol (Dordr)* 2019-03-08 [PMID: 30847807] (IF/IHC, Human)
- Trinh A, Trumpi K, de Sousa E Melo F et al. Practical and Robust Identification of Molecular Subtypes in Colorectal Cancer by Immunohistochemistry. *Clin Cancer Res* 2016-07-26 [PMID: 27459899]
- Kerschner JL, Harris A. Transcriptional networks driving enhancer function in the CFTR gene. *Biochem J* 2012-09-01 [PMID: 22671145]
- Verzi MP, Shin H, Ho LL et al. Essential and redundant functions of caudal family proteins in activating adult intestinal genes. *Mol Cell Biol* 2011-05-01 [PMID: 21402776]
- Verzi MP, Hatzis P, Sulahian R et al. TCF4 and CDX2, major transcription factors for intestinal function, converge on the same cis-regulatory regions. *Proc Natl Acad Sci U S A* 2010-08-01 [PMID: 20696899]
- De Sousa E Melo F, Wang X, Jansen M et al. Poor-prognosis colon cancer is defined by a molecularly distinct subtype and develops from serrated precursor lesions. *Nat Med* 2013-05-01 [PMID: 23584090] (IHC-P, Human)





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### **Products Related to NB100-2136**

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NBL1-09065	CDX2 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

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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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