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CDX2 Rabbit pAb

Catalog No.: A1629SP 5 Publications

Basic Information

Observed MW
38 kDa

Calculated MW
34 kDa

Category
Primary antibody

Applications
WB,IP,IF-P,IHC-P,ELISA

Cross-Reactivity
Human, Mouse, Rat

Background

This gene is a member of the caudal-related homeobox transcription factor gene family. The encoded protein is a major regulator of intestine-specific genes involved in cell growth an differentiation. This protein also plays a role in early embryonic development of the intestinal tract. Aberrant expression of this gene is associated with intestinal inflammation and tumorigenesis.

Recommended Dilutions

WB	1:500 - 1:2000
IP	0.5 μg - 4 μg antibody for 900 μg - 1100 μg extracts of whole cells
IF-P	1:200 - 1:800
IHC-P	1:1000 - 1:4000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.For high-ratio antibody dilutions (≥1:10000)，a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
1045

Swiss Prot
Q99626

Immunogen
This information is considered to be commercially sensitive.

Synonyms
CDX3; CDX-3; CDX2/AS; CDX2

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide.
May contain 0.05% BSA as specified on the Certificate of Analysis.

Contact

400-999-6126

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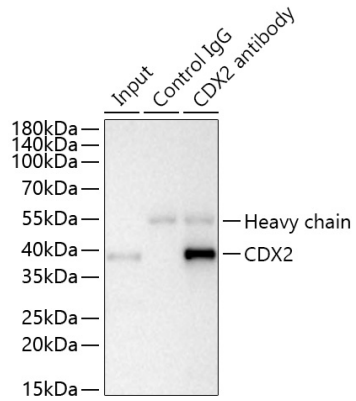
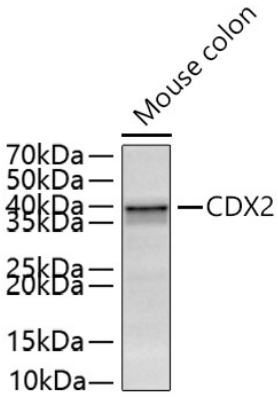
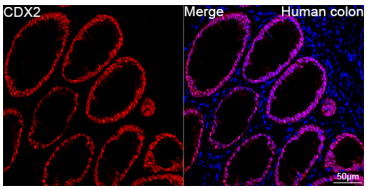
Validation Data



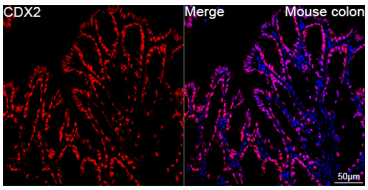
Immunoprecipitation of CDX2 from 900 µg extracts of 293T cells was performed using 2 µg of CDX2 Rabbit pAb (A1629SP). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using CDX2 Rabbit pAb (A1629SP) at a dilution of 1:1000.



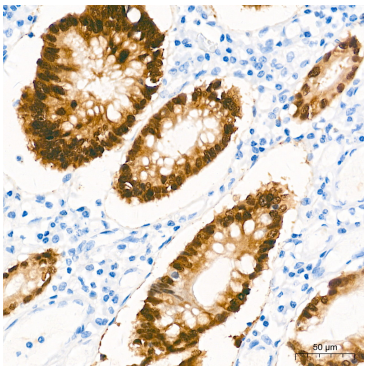
Western blot analysis of lysates from Mouse colon using CDX2 Rabbit pAb (A1629SP) at 1:1000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30 s.



Confocal imaging of paraffin-embedded Human colon tissue using CDX2 Rabbit pAb (A1629SP, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Confocal imaging of paraffin-embedded Mouse colon tissue using CDX2 Rabbit pAb (A1629SP, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Immunohistochemistry analysis of paraffin-embedded Human colon tissue using CDX2 Rabbit pAb (A1629SP) at a dilution of 1:1500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.