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[KD Validated] CDX2 Rabbit mAb

Catalog No.: A19030 Recombinant 3 Publications

Basic Information

Observed MW
38kDa

Calculated MW
34kDa

Category
Primary antibody

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

Cross-Reactivity
Human, Mouse, Rat

CloneNo number
ARC0450

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	0.5μg-4μg antibody for 200μg-600μg extracts of whole cells
IF-P	1:100 - 1:1000
IHC-P	1:3000 - 1:12000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
1045

Swiss Prot
Q99626

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
CDX3; CDX-3; CDX2/AS; X2

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃

Contact

400-999-6126

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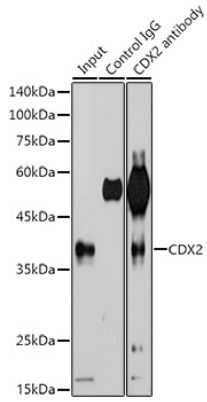
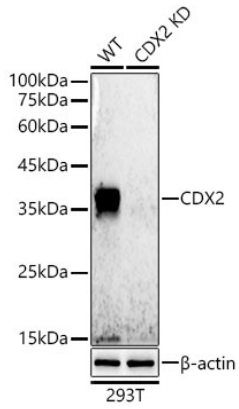
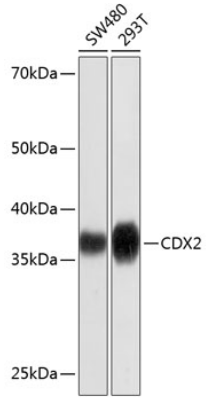
Validation Data



Immunoprecipitation analysis of 600 µg extracts of 293T cells using 3 µg [KD Validated] CDX2 Rabbit mAb (A19030). Western blot was performed from the immunoprecipitate using CDX2 antibody (A19030) at a dilution of 1:500.

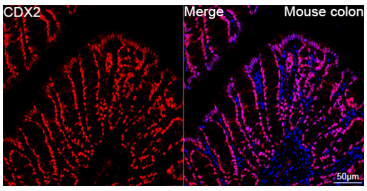


Western blot analysis of lysates from wild type(WT) and CDX2 knockdown (KD) 293T cells, using [KD Validated] CDX2 Rabbit mAb (A19030) at 1:500 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.

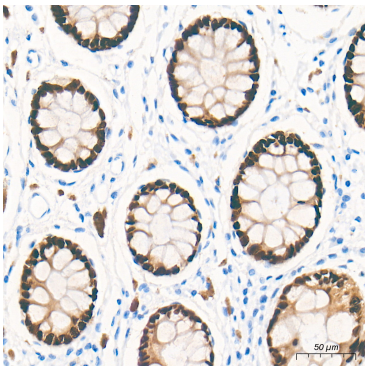


Western blot analysis of various lysates using [KD Validated] CDX2 Rabbit mAb (A19030) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 3min.

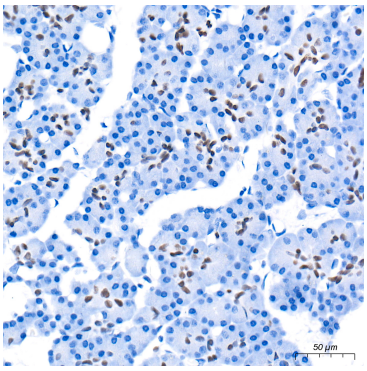
Validation Data



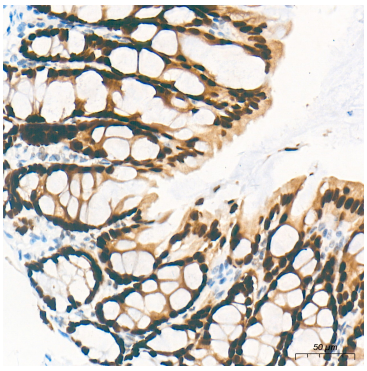
Confocal imaging of paraffin-embedded Mouse colon tissue using [KD Validated] CDX2 Rabbit mAb (A19030, dilution 1:500) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



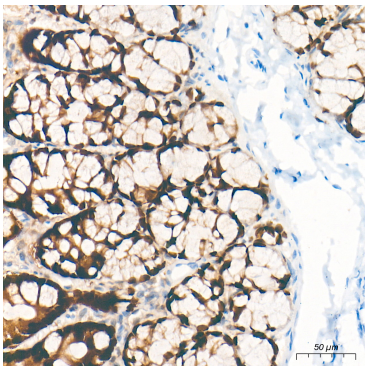
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using [KD Validated] CDX2 Rabbit mAb (A19030) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



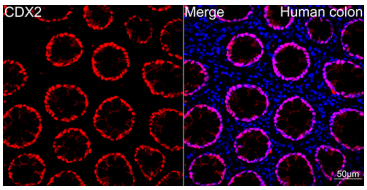
Immunohistochemistry analysis of paraffin-embedded Human pancreas tissue using [KD Validated] CDX2 Rabbit mAb (A19030) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using [KD Validated] CDX2 Rabbit mAb (A19030) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using [KD Validated] CDX2 Rabbit mAb (A19030) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Confocal imaging of Human colon using [KD Validated] CDX2 Rabbit mAb (A19030,dilution 1:100)(Red). DAPI was used for nuclear staining (blue). Objective: 40x.