

A19030

Leader in Biomolecular Solutions for Life Science



## [KD Validated] CDX2 Rabbit mAb

Catalog No.: A19030

Recombinant

2 Publications

### Basic Information

#### Observed MW

38kDa

#### Calculated MW

34kDa

#### Category

SMab Recombinant Monoclonal  
Antibody

#### Applications

WB,IHC-P,IF/ICC,IP,ELISA

#### Cross-Reactivity

Human,Mouse,Rat

#### CloneNo number

ARC0450

### Recommended Dilutions

**WB** 1:1000 - 1:2000

**IHC-P** 1:1000 - 1:4000

**IF/ICC** 1:100 - 1:1000

**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts  
of whole cells

**ELISA** Recommended starting  
concentration is 1  
µg/mL. Please optimize  
the concentration  
based on your specific  
assay requirements.

### Contact

 [www.abclonal.com](http://www.abclonal.com)

### 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 and 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.

### Immunogen Information

#### Gene ID

1045

#### Swiss Prot

Q99626

#### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human CDX2 (Q99626).

#### Synonyms

CDX3; CDX-3; CDX2/AS; X2

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

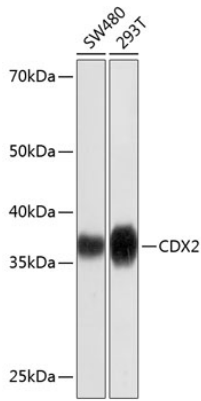
Affinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

## Validation Data



Western blot analysis of various lysates using [KD Validated] CDX2 Rabbit mAb (A19030) at 1:1000 dilution.

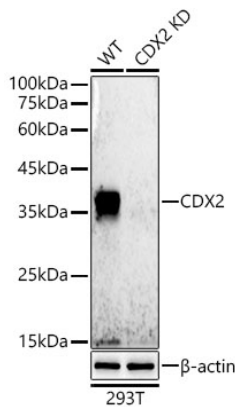
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 3min.



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.

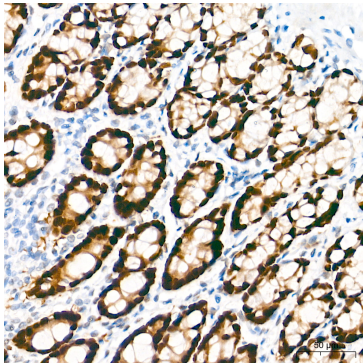
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

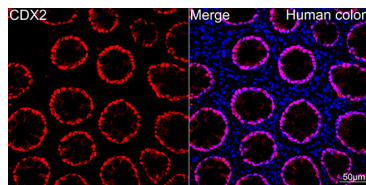
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.



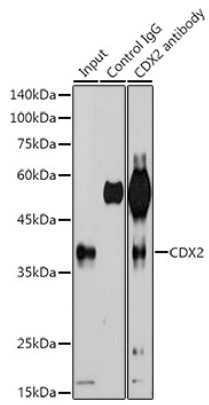
Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using [KD Validated] CDX2 Rabbit mAb (A19030) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



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.

## Validation Data

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