

For Research Use Only

CDX2 Monoclonal antibody

Catalog Number: 60243-1-Ig

Featured Product

17 Publications



Basic Information

Catalog Number:

60243-1-Ig

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 463 ug/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG17644

GenBank Accession Number:

BC014461

GeneID (NCBI):

1045

UNIPROT ID:

Q99626

Full Name:

caudal type homeobox 2

Calculated MW:

313 aa, 34 kDa

Observed MW:

33-40 kDa

Purification Method:

Protein A purification

CloneNo.:

5A4E6

Recommended Dilutions:

WB 1:1000-1:6000

IF/ICC 1:400-1:1600

Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, pig

Cited Species:

human

Positive Controls:

WB : COLO 320 cells, HT-29 cells, SW 1990 cells, pig colon tissue

IF/ICC : Caco-2 cells,

Background Information

CDX2, also named as Homeobox protein CDX-2, is a 313 amino acid protein, which contains one homeobox DNA-binding domain and belongs to the Caudal homeobox family. CDX2 localizes in the nucleus and is involved in the transcriptional regulation of multiple genes expression in the intestinal epithelium. The relative expression of CDX1 to CDX2 protein may be important in the anterior to posterior patterning of the intestinal epithelium and in defining patterns of proliferation and differentiation along the crypt-villus axis. Both Cdx1 and Cdx2 genes must be expressed to reduce tumorigenic potential, to increase sensitivity to apoptosis, and to reduce cell migration, suggesting that the two genes control the normal phenotype by independent pathways.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|----------------|-----------|--------------------|-------------|
| Hui-Fang Zhang | 36347997 | Acta Pharmacol Sin | WB |
| Huiming Liu | 33621200 | Aging (Albany NY) | WB |
| Chen Liao | 32064722 | Mol Reprod Dev | IF |

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

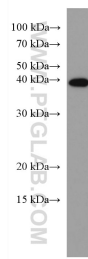
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

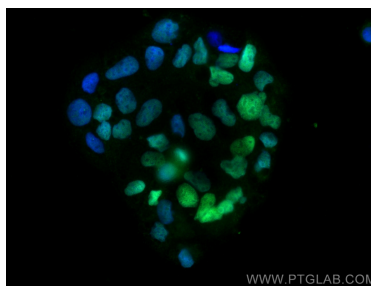
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



COLO 320 cells were subjected to SDS PAGE followed by western blot with 60243-1-Ig (CDX2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed Caco-2 cells using CDX2 antibody (60243-1-Ig, Clone: 5A4E6) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).