

For Research Use Only

CoraLite® Plus 488-conjugated CDX2 Recombinant antibody

Catalog Number: CL488-82659



Basic Information

Catalog Number:

CL488-82659

Size:

100ul , Concentration: 1000 ug/ml by
Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG17310

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.:

3J1

Recommended Dilutions:

IF/ICC 1:200-1:800

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse

Positive Controls:

IF/ICC : Caco-2 cells, HepG2 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.

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

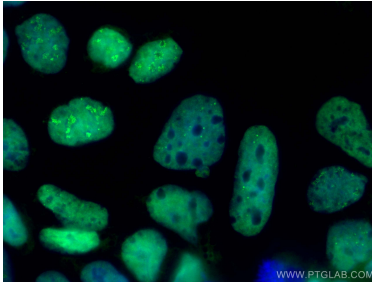
For technical support and original validation data for this product please contact:

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

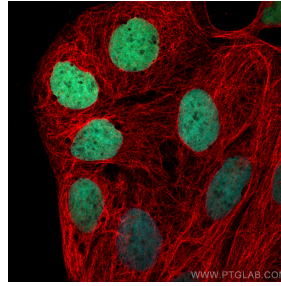
E: proteintech@ptglab.com
W: ptglab.com

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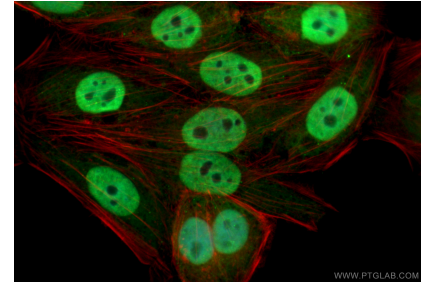
Selected Validation Data



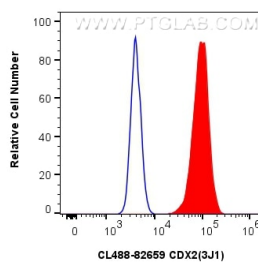
Immunofluorescent analysis of (4% PFA) fixed Caco-2 cells using Coralite® Plus 488 CDX2 antibody (CL488-82659, Clone: 3J1) at dilution of 1:400.



Immunofluorescent analysis of (4% PFA) fixed Caco-2 cells using Coralite® Plus 488 CDX2 antibody (CL488-82659, Clone: 3J1) at dilution of 1:200, Alpha Tubulin antibody (66031-1-Ig, Clone: 1E4C11, red).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Coralite® Plus 488 CDX2 antibody (CL488-82659, Clone: 3J1) at dilution of 1:200, CL594-phalloidin (red).



1x10⁶ Caco-2 cells were intracellularly stained with 0.4 ug Coralite® Plus 488-conjugated CDX2 Recombinant antibody (CL488-82659, Clone:3J1) (red), or 0.4 ug Coralite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).