

For Research Use Only

CoraLite® Plus 488-conjugated CDX2 Recombinant antibody



Catalog Number: CL488-82659

Basic Information

Catalog Number: CL488-82659	GenBank Accession Number: BC014461	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1045	CloneNo.: 3J1
Source: Rabbit	Full Name: caudal type homeobox 2	Recommended Dilutions: IF 1:200-1:800
Isotype: IgG	Calculated MW: 313 aa, 34 kDa	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG17310	Observed MW: 33-40 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : Caco-2 cells,
Species Specificity: Human, mouse	

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

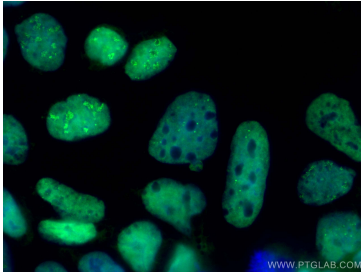
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

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.