For Research Use Only

CDX2 Polyclonal antibody, PBS Only

Catalog Number:30380-1-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
30380-1-PBS

Size:
1 mg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG32826

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:
Antigen affinity purification

Applications

Tested Applications:
WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse, rat, pig

Background Information

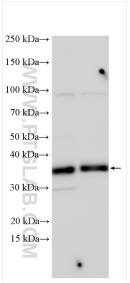
CDX2, also named as Homeobox protein CDX-2, is a 313 amino acid protein, which contains one homeobox DNA-binding domain and belongs to the Caudal homeobox family. CDX2 localizes in the nucleus and is involved in the transcriptional regulation of multiple genes expression in the intestinal epithelium. 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

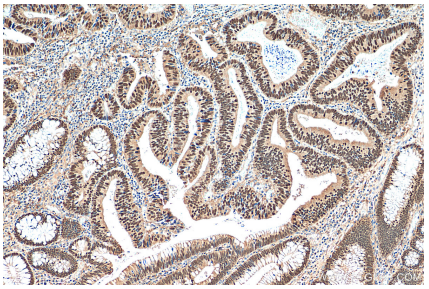
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

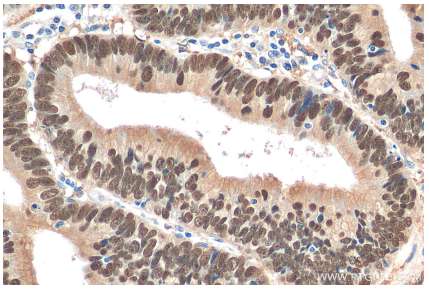
Selected Validation Data



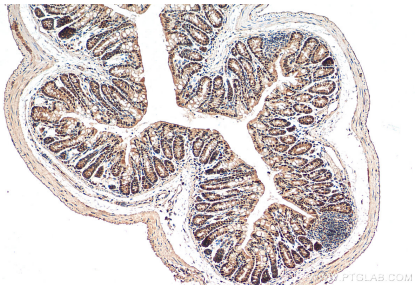
Various lysates were subjected to SDS PAGE followed by western blot with 30380-1-AP (CDX2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 30380-1-PBS in a different storage buffer formulation.



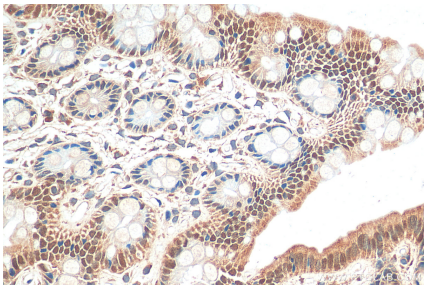
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 30380-1-AP (CDX2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 30380-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 30380-1-AP (CDX2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 30380-1-PBS in a different storage buffer formulation.

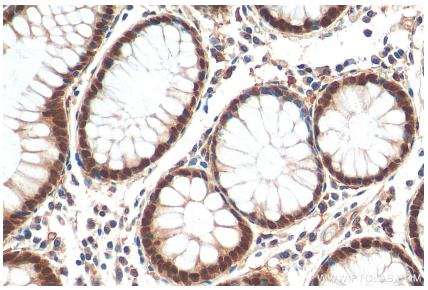


Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 30380-1-AP (CDX2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 30380-1-PBS in a different storage buffer formulation.

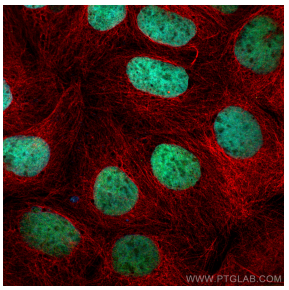


Immunohistochemical analysis of paraffin-embedded rat colon tissue slide using 30380-1-AP (CDX2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 30380-1-PBS in a different storage buffer formulation.

Immunohistochemical analysis of paraffin-embedded colon cancer slide using 30380-1-AP (CDX2 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 30380-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 30380-1-AP (CDX2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 30380-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed Caco-2 cells using CDX2 antibody (30380-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), Alpha Tubulin antibody (66031-1-Ig, Clone: 1E4C11, red). This data was developed using the same antibody clone with 30380-1-PBS in a different storage buffer formulation.