Product datasheet

Anti-CDX2 antibody ab88129

Overview

Product name: Anti-CDX2 antibody
Description: Rabbit polyclonal to CDX2
Host species: Rabbit
Tested applications: Suitable for: IHC-P, WB
Species reactivity: Reacts with: Human
Predicted to work with: Mouse, Rat, Hamster, Cow
Immunogen: Synthetic peptide corresponding to Human CDX2 aa 1-100 (N terminal) conjugated to keyhole limpet haemocyanin.
(Peptide available as ab99158)

Positive control

Purchase matching WB positive control:
Recombinant Human CDX2 protein

Recombinant Human CDX2 protein (ab114247) can be used as a positive control in WB. This antibody gave a positive signal in human placenta and colon tissue lysates.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer: Preservative: 0.02% Sodium Azide
Constituents: 1% BSA, PBS, pH 7.4
Purity: Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab88129 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
Function
Involved in the transcriptional regulation of multiple genes expressed in the intestinal epithelium.
Important in broad range of functions from early differentiation to maintenance of the intestinal epithelial lining of both the small and large intestine.

Sequence similarities
Belongs to the Caudal homeobox family.
Contains 1 homeobox DNA-binding domain.

Post-translational modifications
Phosphorylation of Ser-60 mediates the transactivation capacity.

Cellular localization
Nucleus.

Target

Images

All lanes: Anti-CDX2 antibody (ab88129) at 1 µg/ml

Lane 1: Human placenta tissue lysate - total protein (ab29745)
Lane 2: Human colon tissue lysate - total protein (ab30051)

Lysates/proteins at 10 µg per lane.

Secondary

All lanes: Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 42 kDa
Observed band size: 42 kDa
Additional bands at: 30 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 3 minutes
IHC image of CDX2 staining in human normal colon formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab88129, 1µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Ab88129 recognizes the full length tagged recombinant CDX2 protein (ab114247) which has an expected molecular weight of 61 kDa.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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