

## CDX2 / Caudal Type Homeobox 2 (GI Epithelial Marker) Antibody

Mouse Monoclonal Antibody [Clone CDX2/12650]

Catalog No	Format	Size
1045-MSM22-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1045-MSM22-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1045-MSM22-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

### Product Details

<b>Clone</b>	CDX2/12650
<b>Immunogen</b>	Recombinant fragment (around aa 150-249) of human CDX2 protein (exact sequences are proprietary)
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	33.52kDa
<b>Cellular Localization</b>	Nucleus
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	Detected in small intestine, colon and pancreas

\*Optimal dilution for a specific application should be determined.

### Product Images for CDX2 / Caudal Type Homeobox 2 (GI Epithelial Marker) Antibody

#### Specificity & Comments

Transcription factor which regulates the transcription of multiple genes expressed in the intestinal epithelium (By similarity). Binds to the promoter of the intestinal sucrase-isomaltase SI and activates SI transcription (By similarity). Binds to the DNA sequence 5'-ATAAAACTTAT-3' in the promoter region of VDR and activates VDR transcription (By similarity). Binds to and activates transcription of LPH (By similarity). Activates transcription of CLDN2 and intestinal mucin MUC2 (By similarity). Binds to the 5'-AATTTTTTACAACACCT-3' DNA sequence in the promoter region of CA1 and activates CA1 transcription (By similarity). Important in broad range of functions from early differentiation to maintenance of the intestinal epithelial lining of both the small and large intestine. Binds preferentially to methylated DNA (PubMed:28473536).

#### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

#### Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

#### Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.