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# CDX2 Rabbit mAb

Catalog # AP76911

## Product Information

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| **Application** | WB, IHC-P, IF, FC, ICC |
| **Primary Accession** | Q99626 |
| **Reactivity** | Rat, Human, Mouse |
| **Host** | Rabbit |
| **Clonality** | Monoclonal Antibody |
| **Isotype** | IgG |
| **Conjugate** | Unconjugated |
| **Immunogen** | A synthesized peptide derived from human CDX2 |
| **Purification** | Affinity Chromatography |
| **Calculated MW** | 33520 |

## Additional Information

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| **Gene ID** | 1045 |
| **Other Names** | CDX2 |
| **Dilution** | WB~~1/500-1/1000 IHC-P~~N/A IF~~1:50~200 FC~~1:10~50 ICC~~N/A |
| **Format** | Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol. |
| **Storage** | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

## Protein Information

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| **Name** | CDX2 |
| **Synonyms** | CDX3 |
| **Function** | 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'-ATAAAAACTTAT-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). |

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| **Cellular Location** | Nucleus {ECO:0000250\|UniProtKB:P43241}. |
| **Tissue Location** | Detected in small intestine, colon and pancreas. |

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