

Datasheet for ABIN7650727

## Recombinant anti-CDX2 antibody (AA 150-249) (CF®405S)



[Go to Product page](#)

### Overview

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                  |
| Target:              | CDX2                                                                                                    |
| Binding Specificity: | AA 150-249                                                                                              |
| Reactivity:          | Human                                                                                                   |
| Host:                | Rabbit                                                                                                  |
| Antibody Type:       | Recombinant Antibody                                                                                    |
| Clonality:           | Monoclonal                                                                                              |
| Conjugate:           | This CDX2 antibody is conjugated to CF®405S                                                             |
| Application:         | Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp)) |

### Product Details

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:         | CDX2 (GI Epithelial Marker) (CDX2/2951R), CF405S conjugate                                                                                                                                                                                                                                                                                                                                                                                                                |
| Immunogen:       | Recombinant fragment (around aa150-249) of human CDX2 protein                                                                                                                                                                                                                                                                                                                                                                                                             |
| Clone:           | CDX2-2951R                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Isotype:         | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Characteristics: | The intestine-specific transcription factors CDX1 and CDX2 are important for directing intestinal development, differentiation, proliferation and maintenance of the intestinal phenotype. CDX2 protein expression has been seen in GI carcinomas. Anti-CDX2 has been useful to establish GI origin of metastatic adenocarcinomas and carcinoids and is especially useful to distinguish metastatic colorectal adenocarcinoma from lung adenocarcinoma. However, mucinous |

## Product Details

carcinomas of the ovary also express CDX2 protein. It limits the usefulness of this marker in the distinction of metastatic colorectal adenocarcinoma from mucinous carcinoma of the ovary. Primary antibodies are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

## Target Details

|                   |                                                                                                                                                                          |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | CDX2                                                                                                                                                                     |
| Alternative Name: | CDX2                                                                                                                                                                     |
| Background:       | Synonyms: Caudal type homeobox 2, Caudal type homeobox transcription factor 2, Caudal-type homeobox protein 2, CDX2<br>Gene Symbol: CDX2<br>Tissue Expression: Intestine |
| Molecular Weight: | 40 kDa                                                                                                                                                                   |
| Gene ID:          | 1045                                                                                                                                                                     |
| UniProt:          | <a href="#">Q99626</a>                                                                                                                                                   |
| Pathways:         | <a href="#">Peptide Hormone Metabolism</a> , <a href="#">Stem Cell Maintenance</a>                                                                                       |

## Application Details

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| Application Notes: | Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody. ELISA: 2-4 µg/m for coating order Ab without BSA. Immunohistology (formalin): 1-2 µg/mL for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris with 1 mM EDTA pH 9.0 for 10-20 minutes followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined by user |
| Comment:           | Positive Control: HT29 cells or Colon Carcinoma                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## Handling

|         |        |
|---------|--------|
| Format: | Liquid |
|---------|--------|

## Handling

|                    |                                                                                                                                      |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Concentration:     | 0.1 mg/mL                                                                                                                            |
| Buffer:            | PBS, 0.1 % BSA, 0.05 % azide                                                                                                         |
| Preservative:      | Sodium azide                                                                                                                         |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.               |
| Handling Advice:   | Protect from light                                                                                                                   |
| Storage:           | 4 °C                                                                                                                                 |
| Storage Comment:   | Stable at room temperature or 37°C for 7 days.<br>Protect from light<br>Store at 2 to 8°C. Protect fluorescent conjugates from light |
| Expiry Date:       | 24 months                                                                                                                            |