

Datasheet for ABIN7650731

Recombinant anti-CDX2 antibody (AA 150-249) (CF®640R)



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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®640R
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	CDX2 (GI Epithelial Marker) (CDX2/2951R), CF640R 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 Gene Symbol: CDX2 Tissue Expression: Intestine
Molecular Weight:	40 kDa
Gene ID:	1045
UniProt:	Q99626
Pathways:	Peptide Hormone Metabolism , Stem Cell Maintenance

Application Details

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
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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. Protect from light Store at 2 to 8°C. Protect fluorescent conjugates from light
Expiry Date:	24 months