

Datasheet for ABIN7603202
anti-CDX2 antibody (N-Term)



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Overview

Quantity:	100 µg
Target:	CDX2
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDX2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-CDX2 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human CDX2.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-CDX2 Antibody Picoband® (ABIN7603202). Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	CDX2
Alternative Name:	CDX2 (CDX2 Products)
Background:	Synonyms: Period circadian protein homolog 1, hPER1, Circadian clock protein PERIOD 1, Circadian pacemaker protein Rigi, PER1, KIAA0482, PER, RIGUI Tissue Specificity: Widely expressed. Expressed in hair follicles (at protein level). Found in heart, brain, placenta, lung, liver, skeletal muscle, pancreas, kidney, spleen, thymus, prostate, testis, ovary and small intestine. Highest level in skeletal muscle. Background: Homeobox protein CDX-2 is a protein that in humans is encoded by the CDX2 gene. This gene is a member of the caudal-related homeobox transcription factor gene family. The encoded protein is a major regulator of intestine-specific genes involved in cell growth and differentiation. This protein also plays a role in early embryonic development of the intestinal tract. Aberrant expression of this gene is associated with intestinal inflammation and tumorigenesis.
Molecular Weight:	45 kDa
Gene ID:	1045
UniProt:	Q99626
Pathways:	Peptide Hormone Metabolism , Stem Cell Maintenance

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human 1. Aoki, K., Tamai, Y., Horiike, S., Oshima, M., Taketo, M. M. Colonic polyposis caused by mTOR-mediated chromosomal instability in Apc(+/-delta716) Cdx2(+/-) compound mutant mice. Nature Genet. 35: 323-330, 2003. 2. Chawengsaksophak, K., de Graaff, W., Rossant, J., Deschamps, J., Beck, F. Cdx2 is essential for axial elongation in mouse development. Proc. Nat. Acad. Sci. 101: 7641-7645, 2004. 3. Chawengsaksophak, K., James, R., Hammond, V. E., Kontgen, F., Beck, F. Homeosis and intestinal tumours in Cdx2 mutant mice. Nature 386: 84-87, 1997.
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.