

Rabbit anti-Human CDX2 Monoclonal Antibody | anti-CDX2 antibody

[KD Validated] CDX2 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28469	Rabbit	Human	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, Immunoprecipitation, ELISA

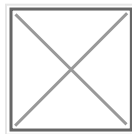
PRODUCT SYNONYMS

CDX2; Monoclonal Antibody; [KD Validated] CDX2 Rabbit mAb; CDX3; CDX-3; CDX2/AS; X2; anti-CDX2 antibody

PRODUCT SPECIFICATIONS

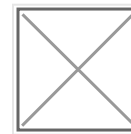
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MYVSYLLDKD VSMYPSSVRH SGGLNLAPQN FVSPQYPDY GGYHVAAAAA AAANLDSAQS PGPSWPAAYG APLREDWNGY APGGAAAAAN AVAHGLNGGS
Applicable Applications for anti-CDX2 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), IP (Immunoprecipitation), ELISA
Application Notes	WB: 1:1000-1:2000 IHC-P: 1:500-1:2000 IF/ICC: 1:100-1:1000 IP: 0.5ug-4ug antibody for 200ug-400ug extracts of whole cells ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements.
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human CDX2 (Q99626).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IP (Immunoprecipitation)

Immunoprecipitation analysis of 600 ug extracts of 293T cells using 3 ug [KD Validated] CDX2 Rabbit mAb (AAA28469). Western blot was performed from the immunoprecipitate using CDX2 antibody (AAA28469) at a dilution of 1:500.



ICC (Immunocytochemistry)

Confocal imaging of Human colon using [KD Validated] CDX2 Rabbit mAb (AAA28469, dilution 1:100)(Red). DAPI was used for nuclear staining (blue). Objective: 40x.



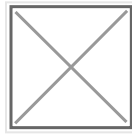
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using [KD Validated] CDX2 Rabbit mAb (AAA28469) at dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



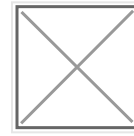
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human appendix using [KD Validated] CDX2 Rabbit mAb (AAA28469) at dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



WB (Western Blot)

Western blot analysis of lysates from wild type(WT) and CDX2 knockdown (KD) 293T cells, using [KD Validated] CDX2 Rabbit mAb (AAA28469) at 1:500 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 30s.



WB (Western Blot)

Western blot analysis of various lysates using [KD Validated] CDX2 Rabbit mAb (AAA28469) at 1:1000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 3min.

ADDITIONAL INFORMATION

Related Product Information for anti-CDX2 antibody	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.
Product Categories/Family for anti-CDX2 antibody	Epigenetics Nuclear Signaling; Transcription Factors; Cell Biology Developmental Biology; Stem Cells; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	372624392
NCBI GeneID	1045
NCBI Accession #	NP_001256.3
NCBI GenBank Nucleotide #	NM_001265.4
UniProt Accession #	Q99626; O00503; Q5VTU7; Q969L8; Q9UD92
Molecular Weight	Calculated MW: 34kDa Observed MW: 38kDa
UniProt Protein Name	Homeobox protein CDX-2
UniProt Gene Name	CDX2
UniProt Synonym Gene Names	CDX3
UniProt Entry Name	CDX2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cdx2-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-immunoprecipitation-elisa/28469>