

Mouse CDX4 Monoclonal Antibody | anti-CDX4 antibody

CDX4 (Homeobox Protein CDX-4, Caudal-type Homeobox Protein 4) (AP)

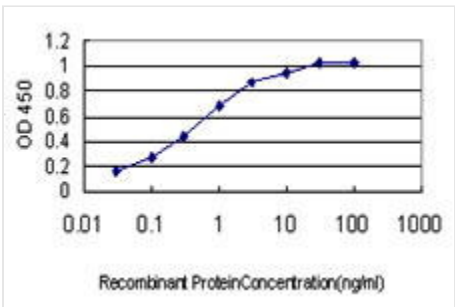
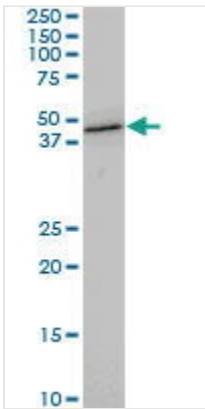
CATALOG # AAA24167	HOST Mouse	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

CDX4; Monoclonal Antibody; CDX4 (Homeobox Protein CDX-4; Caudal-type Homeobox Protein 4) (AP); anti-CDX4 antibody

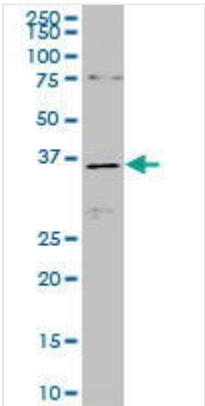
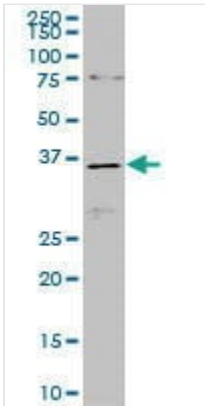
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	3F3
Specificity	Recognizes human CDX4. Species Crossreactivity: mouse and rat.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Applicable Applications for anti-CDX4 antibody	ELISA, WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa71-170 from human CDX4 (NP_005184.1) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	VWGSPYSPREDWSVYPGPSSTMGTPVNDVTSSPA AFCSTDY SNLGPVGGGTSGSSLP GQAGGSLVPTDAGAAKASSPSRSRHSPYAWMRKTVQV
Conjugate	AP
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.



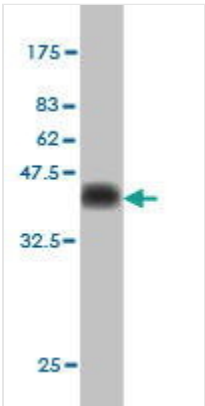
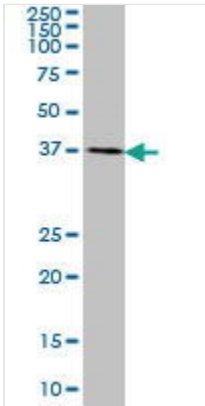
Application Data
Detection limit for recombinant GST tagged CDX4 is ~0.03ng/ml as a capture antibody.

WB (Western Blot)
CDX4 monoclonal antibody. Western Blot analysis of CDX4 expression in NIH/3T3.



WB (Western Blot)
CDX4 monoclonal antibody. Western Blot analysis of CDX4 expression in Raw 264.7.

WB (Western Blot)
CDX4 monoclonal antibody. Western Blot analysis of CDX4 expression in PC-12.



WB (Western Blot)
CDX4 monoclonal antibody Western Blot analysis of CDX4 expression in HeLa.

WB (Western Blot)
Western Blot detection against Immunogen (36.74kD).

ADDITIONAL INFORMATION

Related Product Information for anti-CDX4 antibody

Caudal type homeo box transcription factor 4 (CDX4) is a member of the caudal-type homeobox genes which are candidates for directing tissue and organ development and differentiation. CDX1 and CDX2 expression is widely present in the human intestinal and colonic mucosae, but not in the gastric mucosa, suggesting a possible role in the terminal differentiation of the intestine. CDX4 is located within the minimal region assigned to XIC in humans and furthermore, CDX4 is the closest known gene to XIST in both mouse and human. Unlike Xist, CDX4 appears to be normally X-inactivated in mice and it is not clear yet whether the location of this gene within the XIC region is of any significance in X-inactivation.

Product Categories/Family for anti-CDX4 antibody

Antibodies; Transcription Factors; Homeobox (HOX)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885127
NCBI GeneID	1046
NCBI Accession #	NP_005184.1
NCBI GenBank Nucleotide #	NM_005193.1
UniProt Accession #	O14627; Q5JS20; A1A513
Molecular Weight	30,480 Da
NCBI Official Full Name	homeobox protein CDX-4
NCBI Official Synonym Full Names	caudal type homeobox 4
NCBI Official Symbol	CDX4
NCBI Protein Information	homeobox protein CDX-4; caudal-type homeobox protein 4; caudal type homeobox transcription factor 4
UniProt Protein Name	Homeobox protein CDX-4
UniProt Gene Name	CDX4
UniProt Entry Name	CDX4_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/cdx4-antibody-clone-3f3-western-blot-elisa/24167>