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Product datasheet for TA500252AM

CDX2 Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI3G4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3G4
Applications:	IF, WB
Recommended Dilution:	WB 1:1000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recombinant protein expressed in E.coli corresponding to amino acids 1-313 of human CDX2
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	37.1 kDa
Gene Name:	caudal type homeobox 2
Database Link:	NP_001256 Entrez Gene 12591 MouseEntrez Gene 66019 RatEntrez Gene 1045 Human Q99626
Background:	The level and beta-cell specificity of insulin gene expression are regulated by a set of nuclear proteins that bind to specific sequences within the promoter of the insulin gene (INS; MIM 176730)and interact with RNA polymerase to activate or repress transcription. The proteins LMX1 (MIM600298) and CDX3 are homeodomain proteins that bind an A/T-rich sequence in the insulin promoter and stimulate its transcription.
Synonyms:	CDX-3; CDX2/AS; CDX3

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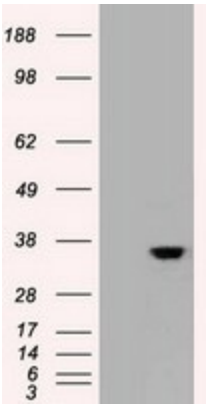
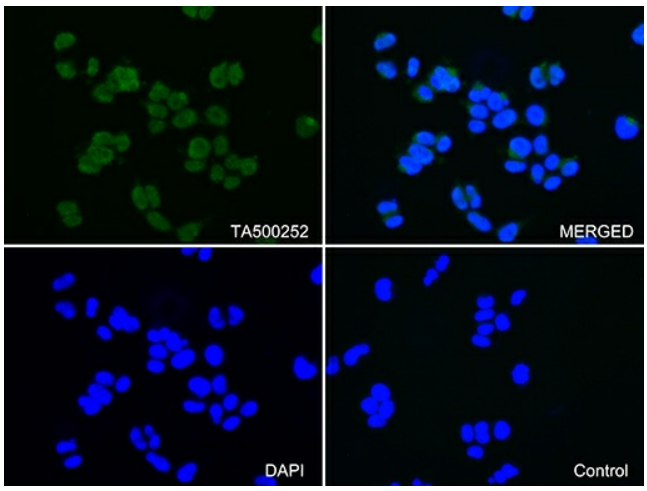
Protein Families: Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Transcription Factors

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CDX2 ([RC204883], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CDX2. Positive lysates [LY420044] (100ug) and [LC420044] (20ug) can be purchased separately from OriGene.



Immunofluorescent staining of 293T cells using anti-CDX2 mouse monoclonal antibody ([TA500252], green, upper left; merged, upper right) or Isotype control (merged, lower right). Cell nuclei were stained with DAPI (blue, lower left) (1:100).