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DBPA Rabbit pAb

Catalog # AP97284

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P16989
Other Accession	P16989
Reactivity	Rat, Human, Mouse
Predicted	Pig, Rabbit, Dog, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40090
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DBPA/CSDA1
Epitope Specificity	165-270/372
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 CSD (cold-shock) domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	CSDA is a 372 amino acid nuclear and cytoplasmic protein that is highly expressed in skeletal muscle and heart. Containing one CSD (cold-shock) domain, CSDA is thought to bind to GM-CSF promoter, full length mRNA and to short RNA sequences containing a specific consensus site. CSDA is suggested to have a role in translation repression and is found in a mRNP complex with MSY2. MSY2 belongs to the Y-box family of multifunctional proteins that regulate both transcription and translation. CSDA participates in promoting cell proliferation and expression of cyclin D1 and proliferating cell nuclear antigen (PCNA). CSDA is regarded to be an important component of the mechanisms that sense epithelial density and in regulating the switch between proliferation and differentiation through complex transcriptional networks.

Additional Information

Gene ID	8531
Other Names	CSDA; CSDA1; DBPA; ZONAB; Dpba; MSY3; MSY4; Yb2; oxyR; YBOX3_HUMAN; YBX3; Cold shock domain-containing protein A; DNA-binding protein A; Single-strand DNA-binding protein NF-GMB; Q61478_MOUSE; Q68G78_MOUSE; Q8BPG0_MOUSE; YBOX3_MOUSE; Y-box protein 3; Q3KRC7_RAT; YBOX3_RAT; Muscle Y-box protein YB2; RYB-A; Y-box-binding protein A; Y-box binding protein 3; cold shock domain protein A; cold-shock domain containing A1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	YBX3
Synonyms	CSDA, DBPA
Function	Binds to the GM-CSF promoter. Seems to act as a repressor. Also binds to full-length mRNA and to short RNA sequences containing the consensus site 5'-UCCAUCA-3'. May have a role in translation repression (By similarity).
Cellular Location	Cytoplasm. Nucleus.
Tissue Location	Highly expressed in skeletal muscle and heart.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.