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Rabbit Anti-DBPA antibody

SL12985R

Product Name:	DBPA
Chinese Name:	冷休克蛋白DBPA抗体
Alias:	Cold shock domain containing protein A; Cold shock domain-containing protein A; csdA; CSDA1; DBPA; DNA binding protein A; DNA-binding protein A; Single strand DNA binding protein NF GMB; Single-strand DNA-binding protein NF-GMB; ZO 1 associated nucleic acid binding protein; ZO1 associated nucleic acid binding protein; ZONAB; YBOX3_HUMAN; Y-box-binding protein 3.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	40kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human DBPA/CSDA1:165-270/372
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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.

Function:
Binds to the GM-CSF promoter. Seems to act as a repressor. Binds also to full length mRNA and to short RNA sequences containing the consensus site 5'-UCCAUCA-3'. May have a role in translation repression.

Subcellular Location:
Cytoplasm. Nucleus.

Tissue Specificity:
Highly expressed in skeletal muscle and heart.

Similarity:
Contains 1 CSD (cold-shock) domain.

SWISS:
P16989

Gene ID:
8531

Database links:

Entrez Gene: 8531Human

Entrez Gene: 56449Mouse

Entrez Gene: 83807Rat

Omim: 603437Human

SwissProt: P16989Human

SwissProt: Q61478Mouse

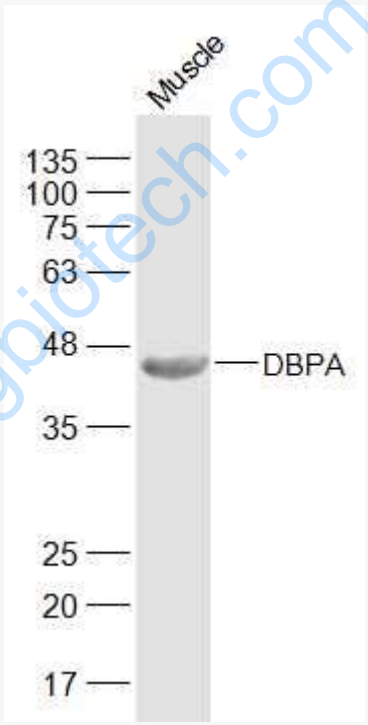
SwissProt: Q68G78Mouse

SwissProt: Q8BPG0Mouse

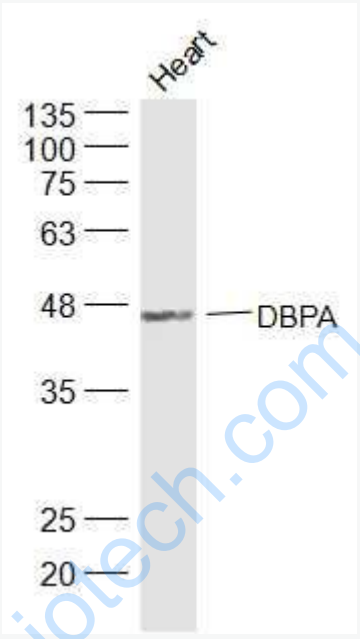
SwissProt: Q9JKB3Mouse

SwissProt: Q3KRC7Rat

SwissProt: Q62764Rat

	Unigene: 221889Human Unigene: 299604Mouse Unigene: 458000Mouse Unigene: 3306Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Sample: Muscle (Mouse) Lysate at 40 ug Heart (Mouse) Lysate at 40 ug Primary: Anti-DBPA (SL12985R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 40 kD

Observed band size: 40 kD



Sample:

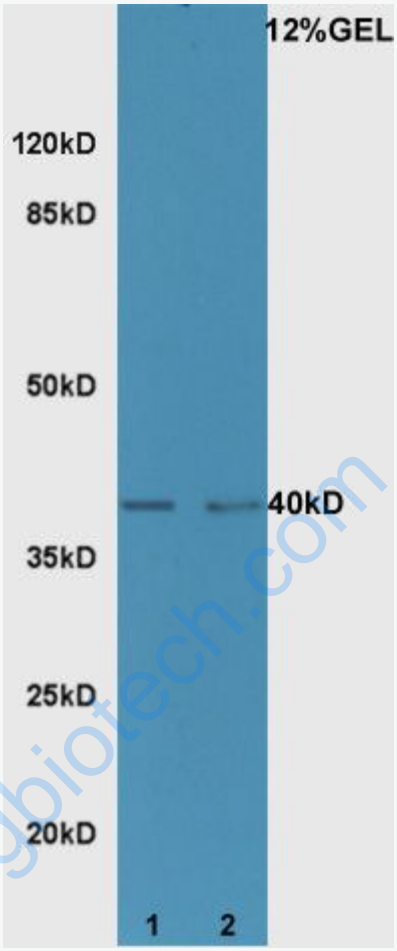
Heart (Mouse) Lysate at 40 ug

Primary: Anti-DBPA (SL12985R) at 1/500 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 40 kD

Observed band size: 40 kD



Sample:

Epithelium (Mouse) Lysate at 40 ug

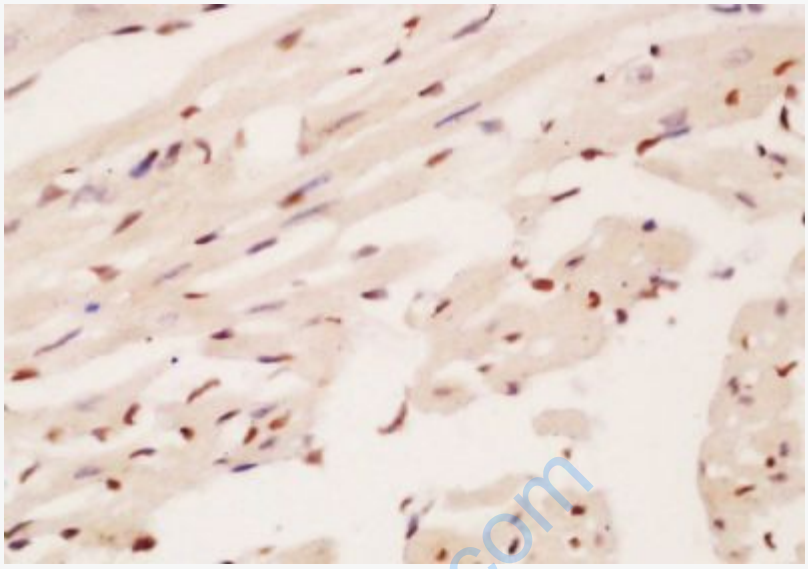
Heart (Mouse) Lysate at 40 ug

Primary: Anti-DBPA (SL12985R) at 1/300 dilution

Secondary: HRP conjugated Goat-Anti-rabbit IgG (SL12985R) at 1/5000 dilution

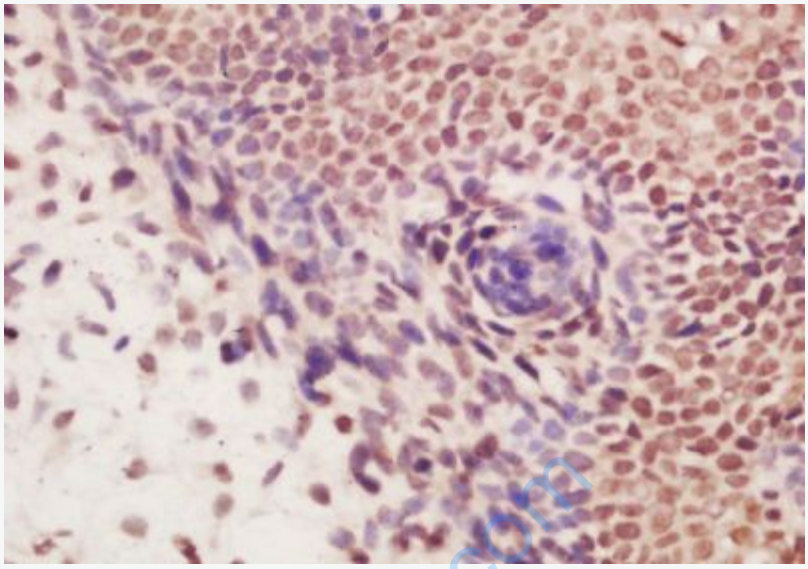
Predicted band size: 40 kD

Observed band size: 40 kD



Tissue/cell: mouse heart tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

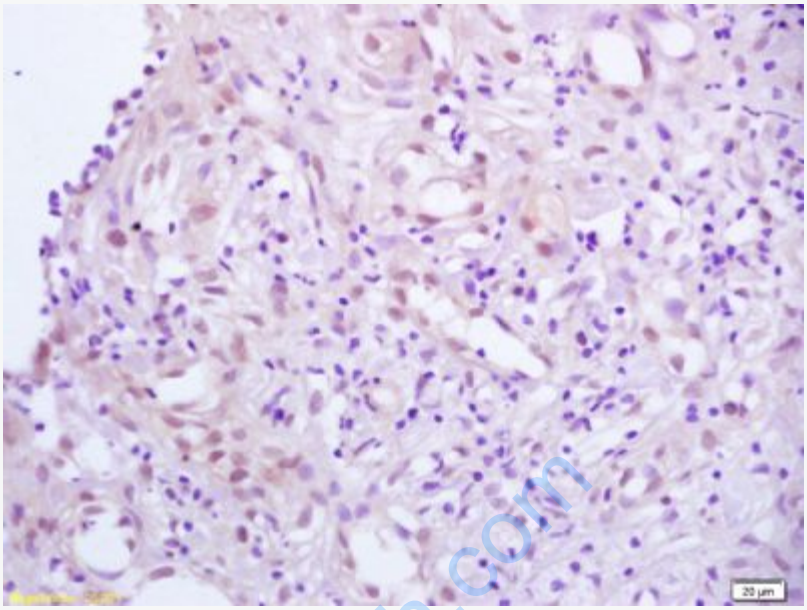
Incubation: Anti-DBPA/CSDA1 Polyclonal Antibody, Unconjugated(SL12985R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: mouse embryo tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

Incubation: Anti-DBPA/CSDA1 Polyclonal Antibody, Unconjugated(SL12985R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human gastric carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

Incubation: Anti-DBPA/CSDA1 Polyclonal Antibody, Unconjugated(SL12985R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining