



Rabbit Anti-Sin3b antibody

SL4215R

Product Name:	Sin3b
Chinese Name:	转录抑制蛋白Sin3b抗体
Alias:	SIN3 homolog B transcription regulator; Transcriptional corepressor Sin3b; SIN3B_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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:	133kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Sin3b:261-360/1162
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:	Acts as a transcriptional repressor. Interacts with MXI1 to repress MYC responsive genes and antagonize MYC oncogenic activities. Interacts with MAD-MAX heterodimers by binding to MAD. The heterodimer then represses transcription by tethering SIN3B to DNA. Also forms a complex with FOXK1 which represses transcription.

Function:

Acts as a transcriptional repressor. Interacts with MXI1 to repress MYC responsive genes and antagonize MYC oncogenic activities. Interacts with MAD-MAX heterodimers by binding to MAD. The heterodimer then represses transcription by tethering SIN3B to DNA. Also forms a complex with FOXK1 which represses transcription (By similarity).

Subunit:

Interacts with FOXK1/MNF, MXI, MAD, NCOR1 and SAP30. Interaction with SUDS3 enhances the interaction with HDAC1 to form a complex. Interacts with MAD3, MAD4, MAEL, REST and SETDB1 (By similarity). Interacts with RNF220 (By similarity). Interacts with HCFC1.

Subcellular Location:

Nucleus (By similarity).

Post-translational modifications:

Ubiquitinated by RNF220 that leads to proteasomal degradation (By similarity).

Similarity:

Contains 3 PAH (paired amphipathic helix) domains.

SWISS:

O75182

Gene ID:

23309

Database links:

[Entrez Gene: 23309](#)Human

[Entrez Gene: 20467](#)Mouse

[Entrez Gene: 683381](#)Rat

[Omim: 607777](#)Human

[SwissProt: O75182](#)Human

[SwissProt: Q62141](#)Mouse

[SwissProt: Q3B8P8](#)Rat

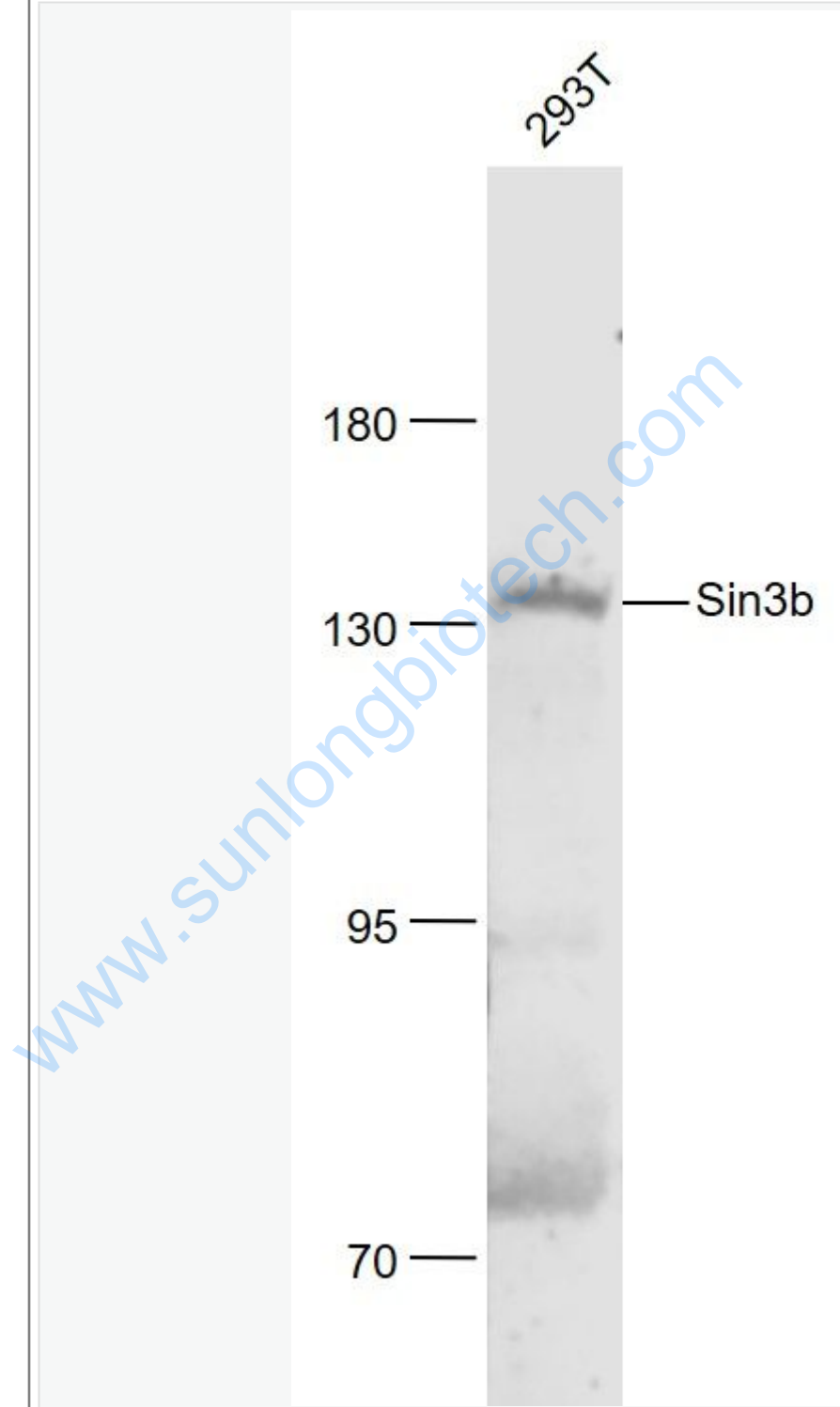
[Unigene: 13999](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

Picture:



Sample:

293T(Human) Cell Lysate at 30 ug

Primary: Anti- Sin3b (SL4215R) at 1/1000 dilution

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

Predicted band size: 133 kD

Observed band size: 133 kD

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