



Rabbit Anti-NRSF antibody

SL2590R

Product Name:	NRSF
Chinese Name:	神经元抑制蛋白抗体
Alias:	RE1-Silencing Transcription Factor; NRSF; Neural-Restrictive Silencer Factor; XBR; Neuron Restrictive Silencer Factor; Repressor Binding To The X2 Box; X2 Box Repressor; REST_HUMAN
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,Horse,Rabbit,
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:	121kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human NRSF:531-450/1097
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:	This gene encodes a transcriptional repressor that represses neuronal genes in non-neuronal tissues. It is a member of the Kruppel-type zinc finger transcription factor family. It represses transcription by binding a DNA sequence element called the neuron-restrictive silencer element. The protein is also found in undifferentiated neuronal progenitor cells and it is thought that this repressor may act as a master negative regular

of neurogenesis. Alternatively spliced transcript variants have been described [provided by RefSeq, Jul 2010]

Function:

Transcriptional repressor which binds neuron-restrictive silencer element (NRSE) and represses neuronal gene transcription in non-neuronal cells. Restricts the expression of neuronal genes by associating with two distinct corepressors, mSin3 and CoREST, which in turn recruit histone deacetylase to the promoters of REST-regulated genes. Mediates repression by recruiting the BHC complex at RE1/NRSE sites which acts by deacetylating and demethylating specific sites on histones, thereby acting as a chromatin modifier. Transcriptional repression by REST-CDYL via the recruitment of histone methyltransferase EHMT2 may be important in transformation suppression.

Subunit:

Interacts with SIN3A, SIN3B and RCOR1. Interacts with CDYL. Interacts with EHMT1 and EHMT2 only in the presence of CDYL. Part of a complex containing at least CDYL, REST, WIZ, SETB1, EHMT1 and EHMT2.

Subcellular Location:

Nucleus.

Tissue Specificity:

Ubiquitous. Expressed at higher levels in the tissues of the lymphocytic compartment, including spleen, thymus, peripheral blood lymphocytes and ovary.

Similarity:

Contains 9 C2H2-type zinc fingers.

SWISS:

Q13127

Gene ID:

5978

Database links:

[Entrez Gene: 5978](#)Human

[Entrez Gene: 19712](#)Mouse

[Entrez Gene: 83618](#)Rat

[GenBank: AAB17211](#)Human

[Omim: 600571](#)Human

[SwissProt: Q13127](#)Human

[SwissProt: Q155C6](#)Mouse

[SwissProt: Q8VIG1](#)Mouse

[SwissProt: O54963](#)Rat

[SwissProt: O54964](#)Rat

[Unigene: 307836](#)Human

[Unigene: 631513](#)Human

[Unigene: 28840](#)Mouse

[Unigene: 482359](#)Mouse

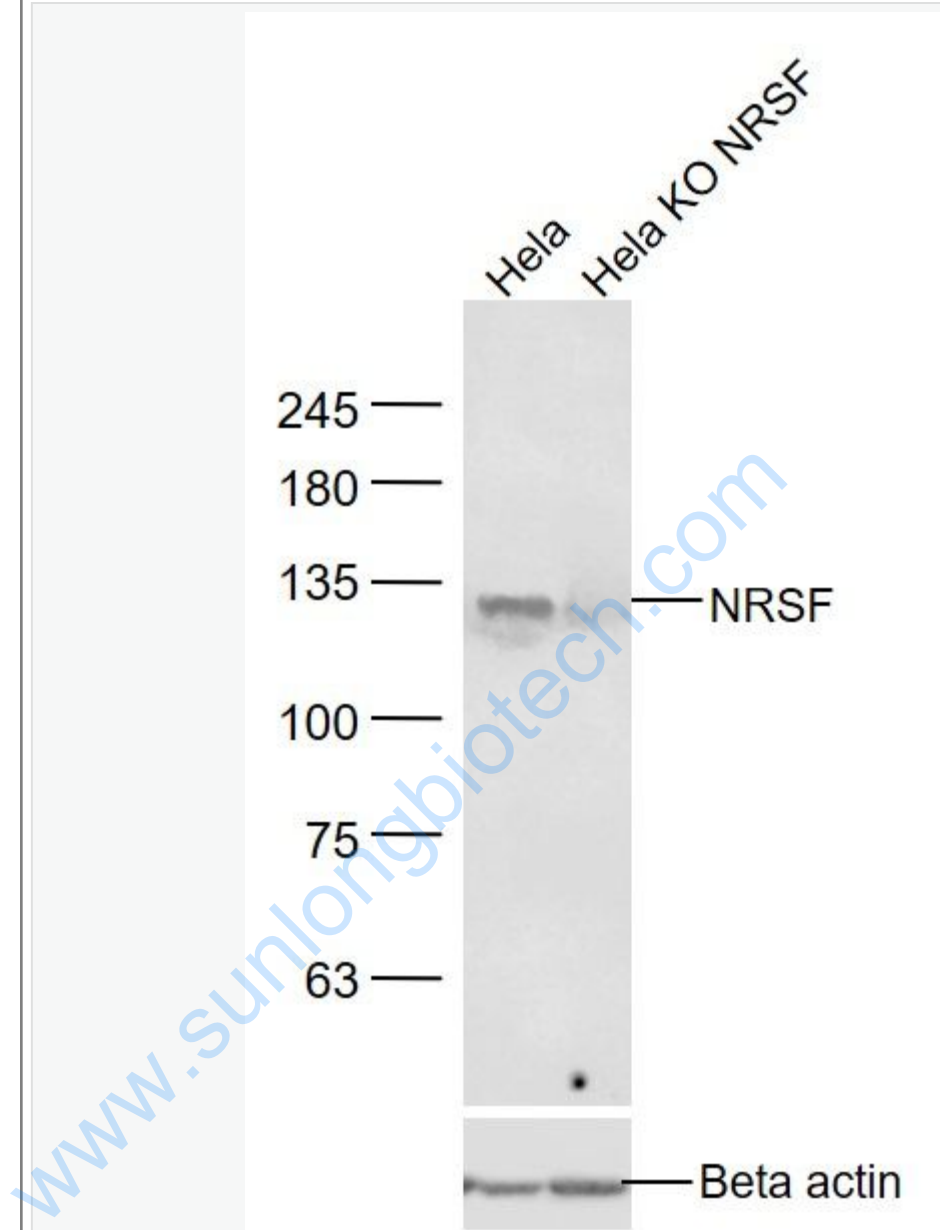
[Unigene: 10879](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

www.sunlongbiotech.com

Picture:



Sample:

HeLa(Human) Cell Lysate at 30 ug

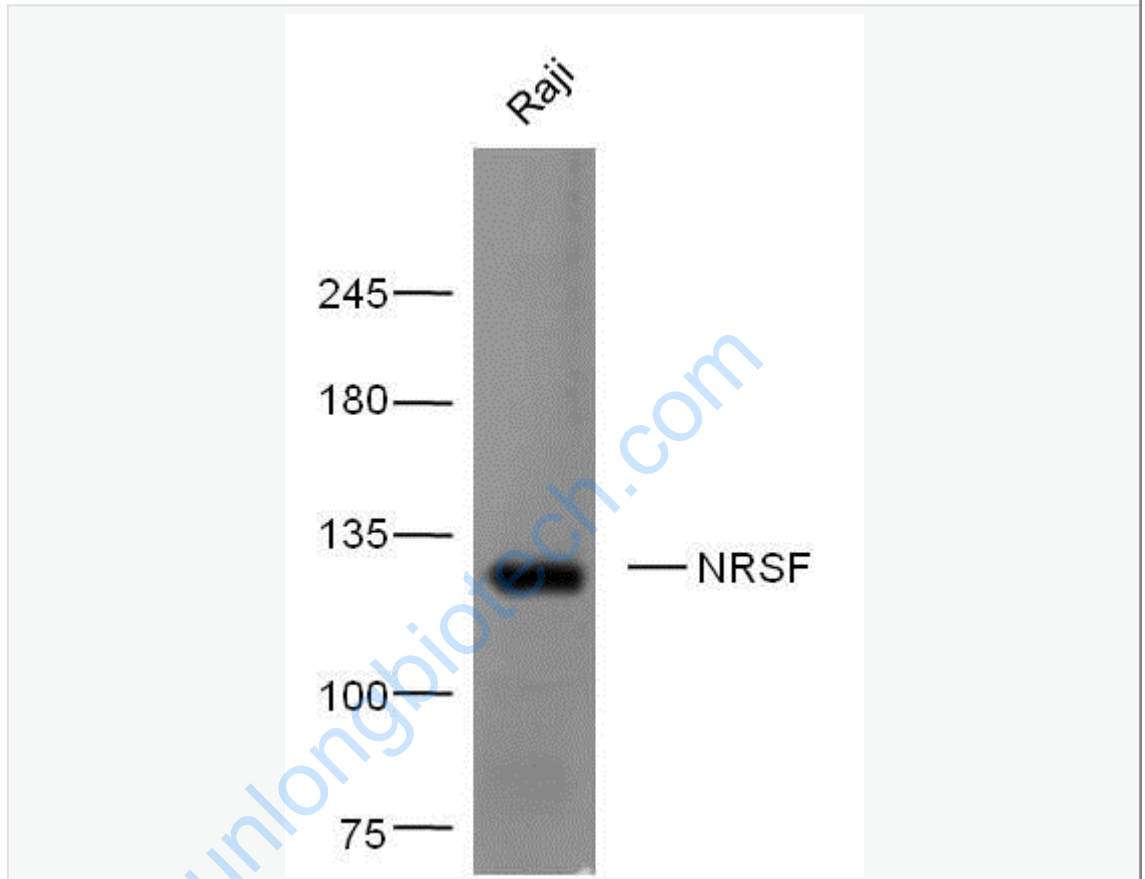
HeLa KO NRSF (Human) Cell Lysate at 30 ug

Primary: Anti- NRSF (SL2590R) at 1/1000 dilution

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

Predicted band size: 121 kD

Observed band size: 121 kD



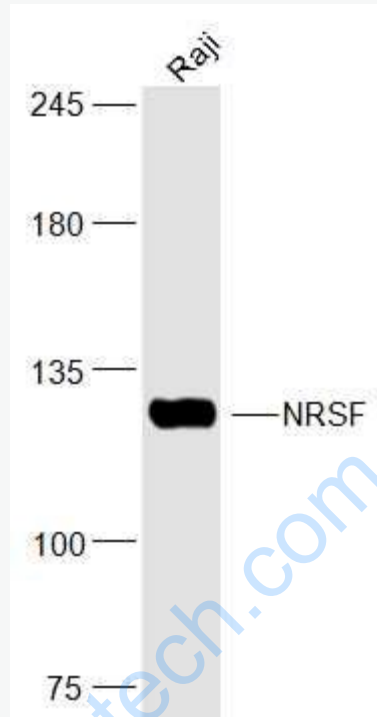
Sample: Raji Cell Lysate at 40 ug

Primary: Anti- NRSF (SL2590R) at 1/300 dilution

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

Predicted band size: 121 kD

Observed band size: 121 kD



Sample:

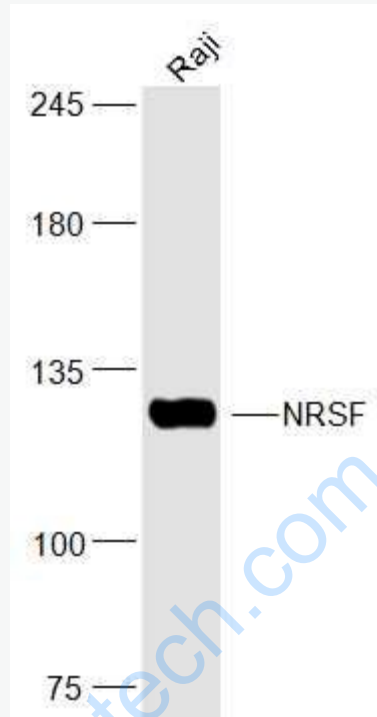
Raji(Human) Cell Lysate at 30 ug

Primary: Anti-NRSF (SL2590R) at 1/300 dilution

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

Predicted band size: 121 kD

Observed band size: 121 kD



Sample:

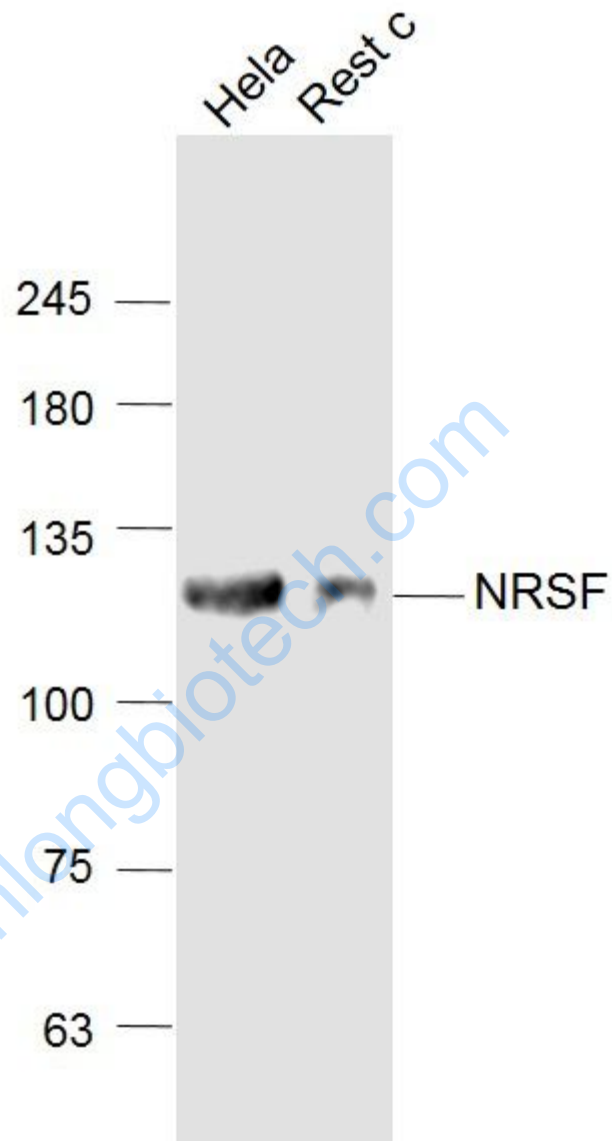
Raji(Human) Cell Lysate at 30 ug

Primary: Anti-NRSF (SL2590R) at 1/300 dilution

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

Predicted band size: 121 kD

Observed band size: 121 kD



Sample:

HeLa(Human) Cell Lysate at 30 ug

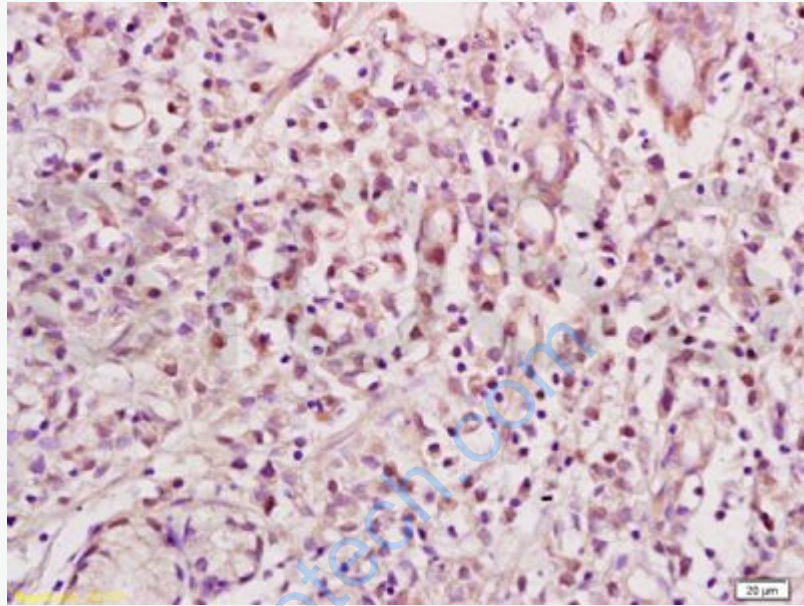
Rest c(Human) Cell Lysate at 30 ug

Primary: Anti-NRSF (SL2590R) at 1/1000 dilution

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

Predicted band size: 121 kD

Observed band size: 121 kD



Tissue/cell: human gastric 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°C for 20 min;

Incubation: Anti-NRSF/REST Polyclonal Antibody, Unconjugated(SL2590R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining