bs-2590R

- DATASHEET -

[Primary Antibody]

NRSF Rabbit pAb



www.bioss.com.cn sales@bioss.com.cn techsupport@bioss.com.cn 400-901-9800

Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)

Reactivity: Human, Mouse (predicted: Rat, Rabbit, Pig, Cow, Chicken, Horse)

Predicted MW.: 121 kDa

Subcellular Location: Nucleus

GenelD: 5978

Host: Rabbit

Clonality: Polyclonal

Target: NRSF

Immunogen: KLH conjugated synthetic peptide derived from human NRSF: 401-450/1097.

Isotype: IgG

SWISS: Q13127

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: 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]

- VALIDATION IMAGES -



Sample: Hela(Human) Cell Lysate at 30 ug Hela KO NRSF (Human) Cell Lysate at 30 ug Primary: Anti- NRSF (bs-2590R) 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(Human) Cell Lysate at 30 ug Primary: Anti-NRSF (bs-2590R) at 1/300 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 paraffinembedded; 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(bs-2590R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

- SELECTED CITATIONS -

- [IF=11.8] Kojiro Ishibashi. et al. Astrocyte-induced mGluR1 activates human lung cancer brain metastasis via glutamate-dependent stabilization of EGFR. DEV CELL. 2024 Feb 02 ICC ;Human. 38309264
- [IF=11] Crews Fulton T.. et al. HMGB1 neuroimmune signaling and REST-G9a gene repression contribute to ethanolinduced reversible suppression of the cholinergic neuron phenotype. MOL PSYCHIATR. 2023 Jul;:1-14 IHC ;Human. 37402853
- [IF=9.889] Buging Yeet al. The chromatin remodeler SRCAP promotes self renewal of intestinal stem cells. EMBO J.

2020 Jul 1;39(13):e103786. IHC, IP, IF; mouse. 32449550

- [IF=6.6] Dongze Zhang. et al. Hydrogen Peroxide-Induced Re-Expression of Repressor Element 1-Silencing Transcription Factor Contributes to Cardiac Vagal Dysfunction in Type 2 Diabetes Mellitus. ANTIOXIDANTS-BASEL. 2025 May;14(5):588 WB ;Mouse,Rat. 40427470
- [IF=5.3] Christopher J. O'Connell. et al. Transcriptomic dynamics governing serotonergic dysregulation in the dorsal raphe nucleus following mild traumatic brain injury. EXP NEUROL. 2024 Apr;374:114695 IHC ;MOUSE. 38246304