

bs-2590R**[Primary Antibody]****NRSF Rabbit pAb****Bioss**
ANTIBODIES

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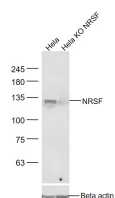
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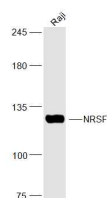
400-901-9800

DATASHEET**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 5978**SWISS:** Q13127**Target:** NRSF**Immunogen:** KLH conjugated synthetic peptide derived from human NRSF: 401-450/1097.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

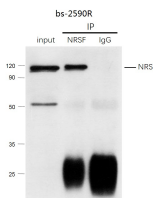
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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]**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**IP** (1:50-200)**Reactivity:** Human (predicted: Mouse, Rat, Rabbit, Pig, Cow, Chicken, Horse)**Predicted MW.:** 121 kDa**Subcellular Location:** Nucleus**VALIDATION IMAGES**

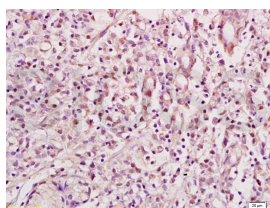
Sample: HeLa(Human) Cell Lysate at 30 ug
 HeLa KO NRSF (Human) Cell Lysate at 30 ug
 Primary: Anti-NRSF (bs-2590R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 121 kD
 Observed band size: 121 kD



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



NRSF was immunoprecipitated from human HeLa cells lysate with bs-2590R at 1/150 dilution. Western blot was performed from the immunoprecipitate using protein A/G beads. HRP Conjugated Mouse anti-Rabbit IgG (Light Chain specific) was used as secondary antibody at 1:5000 dilution. Lane 1: human HeLa cells lysate 10 µg (Input). Lane 2: bs-2590R IP in human HeLa cells lysate. Lane 3: native rabbit IgG IP in human HeLa cells lysate (negative control). Secondary All lanes: Mouse anti-Rabbit IgG (Light Chain specific), HRP Conjugated, 1:5000



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

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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 ethanol-induced reversible suppression of the cholinergic neuron phenotype. MOL PSYCHIATR. 2023 Jul;:1-14 IHC ;Human. 37402853
- **[IF=9.889]** Buqing 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