## bsm-54140R

# [ Primary Antibody ]

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# NRF1 Recombinant Rabbit mAb

### DATASHEET -

Host: Rabbit Isotype: IgG Clonality: Recombinant CloneNo.: 6G5 **GenelD:** 4899 **SWISS:** Q16656

Target: NRF1

**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 protein that homodimerizes and functions as a transcription factor which activates the expression of some key metabolic genes regulating cellular growth and nuclear genes required for respiration, heme biosynthesis, and mitochondrial DNA transcription and replication. The protein has also been associated with the regulation of neurite outgrowth. Alternative splicing results in multiple transcript variants. Confusion has occurred in bibliographic databases due to the shared symbol of NRF1 for this gene and for "nuclear factor (erythroid-derived 2)-like 1" which has an official symbol of NFE2L1. [provided by RefSeq,

May 2014]

Applications: WB (1:500-2000)

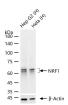
IHC-P (1:50-200) IHC-F (1:50-200) **IF** (1:50-200) Flow-Cyt (1:50-100) ICC/IF (1:50-200)

Reactivity: Human, Mouse, Rat

Predicted MW.: 55 kDa

Subcellular Location: Cytoplasm

#### VALIDATION IMAGES



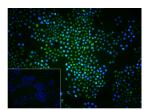
25 ug total protein per lane of various lysates (see on figure) probed with NRF1 monoclonal antibody, unconjugated (bsm-54140R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



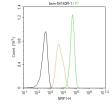
Paraformaldehyde-fixed, paraffin embedded Rat Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with NRF1 Monoclonal Antibody, Unconjugated (bsm-54140R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Mouse Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with NRF1 Monoclonal Antibody, Unconjugated (bsm-54140R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



4% Paraformaldehyde-fixed Hela (H) cell: Triton X-100 at r.t. for 20 min; Antibody incubation with (NRF1) monoclonal Antibody, unconjugated (bsm-54140R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



The Hela (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% icecold methanol for 20 min at -20°C, the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green):Rabbit Anti-NRF1 antibody (bsm-54140R,1:100); Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black):

PBS. Acquisition of 20,000 events was performed.

[IF=2.2] Tianpu Wu. et al. Hydroxyacyl-coenzyme A dehydrogenase: A biomarker for authentication of death from mechanical asphyxia. forensic science international. 2025 Feb: 367:112371. IF; Human. 39879859						
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