**bsm-54140R** **[ Primary Antibody ]**

# NRF1 Recombinant Rabbit mAb

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## DATASHEET

**Host:** Rabbit
**Isotype:** IgG
**Clonality:** Recombinant
**CloneNo.:** 6G5
**GeneID:** 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]

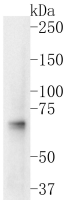
**Applications:** **WB** (1:500)
**IHC-P** (1:50-200)
**IHC-F** (1:50-200)
**IF** (1:50-200)
**ICC/IF** (1:50)

**Reactivity:** Human, Mouse, Rat

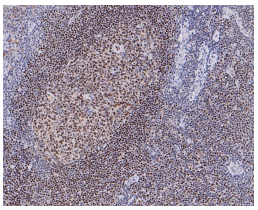
**Predicted MW.:** 55 kDa

**Subcellular Location:** Cytoplasm

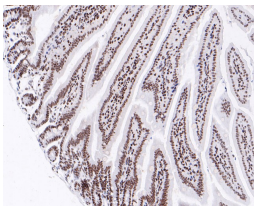
## VALIDATION IMAGES



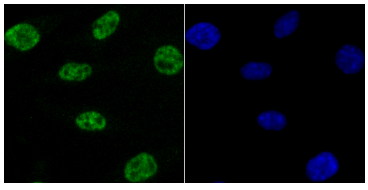

Sample: Lane 1: Hela cell lysate Primary: Anti-NRF1 (bsm-54140R) at 1:1000 dilution Secondary: Goat Anti-Rabbit IgG - HRP at 1:5000 dilution Predicted band size: 55 kD Observed band size: 65 kD



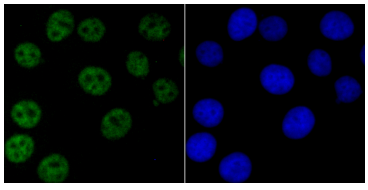
Paraformaldehyde-fixed, paraffin embedded (human tonsil); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (NRF1) Monoclonal Antibody, Unconjugated (bsm-54140R) at 1:50 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (NRF1) Monoclonal Antibody, Unconjugated (bsm-54140R) at 1:50 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



SH-SY5Y cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (NRF1) monoclonal Antibody, Unconjugated (bsm-54140R) 1:50, 90 minutes at 37°C; followed



MCF-7 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (NRF1) monoclonal Antibody, Unconjugated (bsm-54140R) 1:50, 90 minutes at 37°C; followed

by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

## SELECTED CITATIONS

- **[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