



# TCF11/NRF1

## Mouse monoclonal Antibody

### #53309

**Catalog Number:** 53309

**Amount:** 100µg/100µl

**Swiss-Prot No. :** Q16656

**Gene name:** nrf1

**Gene id:** 4899

**Clone Number:** 9E6-H8-B6

**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol

**Storage/Stability:** Store at -20°C/1 year

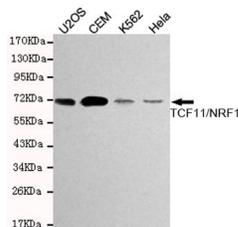
**Immunogen:** Purified recombinant human TCF11/NRF1 protein fragments expressed in E.coli

**Purification:** affinity-chromatography

**Specificity/Sensitivity:** This antibody detects endogenous levels of TCF11/NRF1 and does not cross-react with related proteins

**Reactivity:** Human

**Applications:** Predicted MW: 72kd WB: 1:1000



Western blot detection of TCF11/NRF1 in HeLa, K562, CEM and U2OS cell lysates using TCF11/NRF1 mouse mAb (1:1000 diluted). Predicted band size: 67 kDa. Observed band size: 72 kDa.

### 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. Alternate transcriptional splice variants, which encode the same protein, have been characterized. Additional variants encoding different protein isoforms have been described but they have not been fully characterized. 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