NRF1 Rabbit pAb

Catalog No.: A5547 14 Publications



Basic Information

Observed MW

70kDa

Calculated MW

54kDa

Category

Primary antibody

Applications

WB, ELISA, ChIP

Cross-Reactivity

Human, Mouse, Rat

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.

Recommended Dilutions

WB 1:500 - 1:1000

ELISA Recommended starting

concentration is 1 µg/mL.

Please optimize the
concentration based on
your specific assay
requirements.

requirement

ChIP 5μg antibody for

 $10\mu g$ - $15\mu g$ of Chromatin

Immunogen Information

Gene ID Swiss Prot 4899 Q16656

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

ALPHA-PAL; NRF1

Contact

<u>a</u>		400-999-6126
\bowtie		cn.market@abclonal.com.cn
\odot	ī	www.abclonal.com.cn

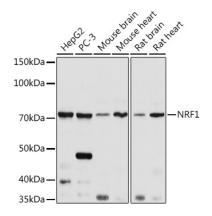
Product Information

SourceIsotypePurificationRabbitIgGAffinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

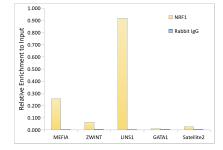


Western blot analysis of various lysates using NRF1 Rabbit pAb (A5547) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit lgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: $25\mu g$ per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 5s.



Chromatin immunoprecipitation analysis of extracts of HepG2 cells, using NRF1 antibody (A5547) and rabbit IgG.The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.