

Anti-Nrf3 Antibody

HA500570



Product Type:	Rabbit polyclonal IgG, primary antibodies
Species reactivity:	Human, Mouse
Applications:	WB
Molecular Wt:	Predicted band size: 73 kDa

Description: Nuclear factor (erythroid 2)-like factor 3, also known as NFE2L3 or 'NRF3', is a transcription factor that in humans is encoded by the Nfe2l3 gene. Nrf3 is a basic leucine zipper (bZIP) transcription factor belonging to the Cap 'n' Collar (CNC) family of proteins. The specific functions of the NRF3 protein are still unknown, but some putative functional properties have been inferred from those of NFE2L1 due to their structural similarity. It is known that NRF3 can heterodimerize with small musculo-aponeurotic fibro-sarcoma (MAF genes) factors to bind antioxidant response elements in target genes.

Immunogen: Synthetic peptide within Mouse Nrf3 aa 1-100.

Positive control: HeLa cell lysate, 3T3-L1 cell lysate, Mouse placenta tissue lysate.

Subcellular location: Nucleus.

Database links: SwissProt: Q9Y4A8 Human | Q9WTM4 Mouse

Recommended Dilutions:
WB 1:2,000

Storage Buffer: 1*PBS (pH7.4), 0.1% BSA, 40% Glycerol, 0.2% Proclean 950.

Storage Instruction: Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

Purity: Immunogen affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

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Images

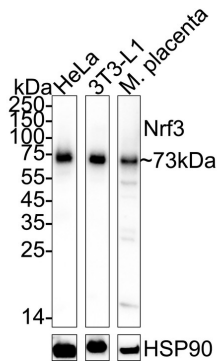


Fig1: Western blot analysis of Nrf3 on different lysates with Rabbit anti-Nrf3 antibody (HA500570) at 1/2,000 dilution.

Lane 1: HeLa cell lysate

Lane 2: 3T3-L1 cell lysate

Lane 3: Mouse placenta tissue lysate

Lysates/proteins at 20 µg/Lane.

Predicted band size: 73 kDa

Observed band size: 73 kDa

Exposure time: Lane 1: 10 seconds; Lane 2: 28 seconds; Lane 3: 46 seconds; ECL: K1802;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA500570) at 1/2,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Gurri S et al. NRF3 suppresses squamous carcinogenesis, involving the unfolded protein response regulator HSPA5. *EMBO Mol Med.* 2023 Nov
2. Hirose S et al. NRF3 activates mTORC1 arginine-dependently for cancer cell viability. *iScience.* 2023 Jan

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