Datasheet for ABIN6938044

# anti-NFE2L1 antibody

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## Overview

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| Quantity: | 100 µg |
| Target: | NFE2L1 |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This NFE2L1 antibody is un-conjugated |
| Application: | Immunohistochemistry (Formalin-fixed Sections) (IHC (f)) |

## Product Details

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| Immunogen: | Recombinant full-length human NRF1 protein |
| Clone: | NRF1-2608 |
| Isotype: | IgG1 kappa |
| Specificity: | The NF-E2 DNA binding protein is composed of two subunits, p45 and MafK, and it regulates expression of globin genes in developing erythroid cells through interaction with Maf recognition elements (MAREs). A family of NF-E2 related proteins, which are collectively known as the Cap 'n' collar (CNC) family and include Nrf1 (also designated TCF11), Nrf2 and Nrf3, are bZIP transcription factors that heterodimerize with Maf proteins to bind MARE sequences. The Nrf proteins also bind the antioxidant response element (ARE) and are implicated in the regulation of detoxification enzymes and the oxidative stress response. They do so by heterodimerizing with Jun family members (c-Jun, JunB and JunD) to activate gene expression, specifically the detoxifying enzyme, NQO1. Nrf2 is widely expressed and is thought to translocate to the nucleus after treatment with xenobiotics and antioxidants, which stimulate |

## Product Details

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| | its release from a repressor protein Keap1. Nrf3 is highly expressed in placenta, B cells and monocytes. |
| Cross-Reactivity (Details): | Human. |
| Purification: | 1.0mg/ml of Ab purified from Bioreactor by Protein A/G. |

## Target Details

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| Target: | NFE2L1 |
| Alternative Name: | NFE2L1 (NFE2L1 Products) |
| Background: | Alpha pal, Alpha palindromic-binding protein, Alpha-pal, locus control region factor 1, NFE2 related factor 1, Nuclear respiratory factor 1 (NFR-1),NRF1<br>Cellular localisation: Nucleus. |
| Molecular Weight: | 30kDa (bZIP region), 65-120kDa (glycosylated) |
| Gene ID: | 4899, 654363 |
| UniProt: | Q16656 |

## Application Details

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| Application Notes: | Known_Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.<br>Positive_Control: Ubiquitous expression, strongest in skeletal muscle. |
| Restrictions: | For Research Use only |

## Handling

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| Concentration: | 1.0 mg/mL |
| Buffer: | Prepared in 10 mM PBS, WITHOUT BSA and Azide. |
| Preservative: | Azide free |
| Storage: | -20 °C,-80 °C |
| Storage Comment: | Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. |
| Expiry Date: | 24 months |