

Datasheet for ABIN6940224

**anti-NFE2L1 antibody**

## 4 Images

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## Overview

|              |   |
|--------------|---|
| Quantity:    | 100 µg  |
| Target:      | NFE2L1  |
| Reactivity:  | Human   |
| Host:        | Mouse   |
| Clonality:   | Monoclonal  |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Staining Methods (StM) |

## Product Details

|               |  |
|---------------|--|
| Immunogen:    | Recombinant full-length human NRF1 protein |
| Clone:        | NRF1-2609                                  |
| Isotype:      | IgG1 kappa                                 |
| Purification: | Purified by Protein A/G                    |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | NFE2L1  |
| Alternative Name: | NFE2L1 ( <a href="#">NFE2L1 Products</a> )  |
| Background:       | 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 |

## Target Details

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 its release from a repressor protein Keap1. Nrf3 is highly expressed in placenta, B cells and monocytes.

Molecular Weight: 30kDa (bZIP region), 65-120kDa (glycosylated)

Gene ID: 4899

UniProt: [Q16656](#)

## Application Details

Application Notes: Positive Control: Ubiquitous expression, strongest in skeletal muscle.  
Known Application: Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

## Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

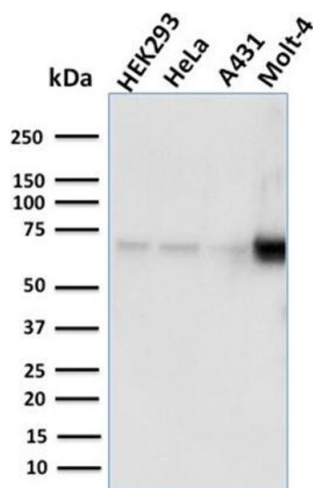
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

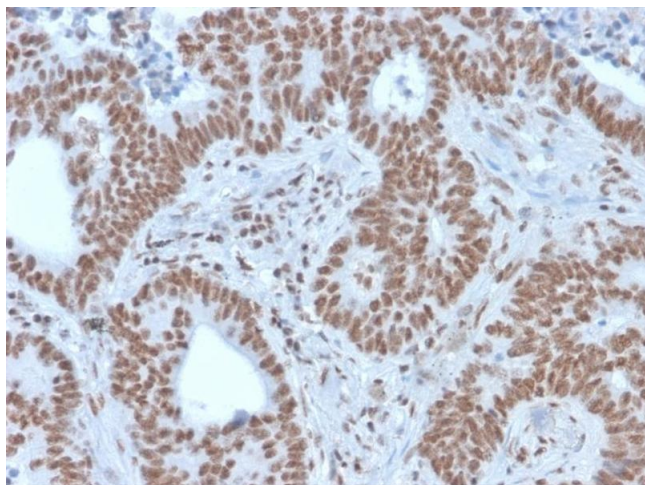
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



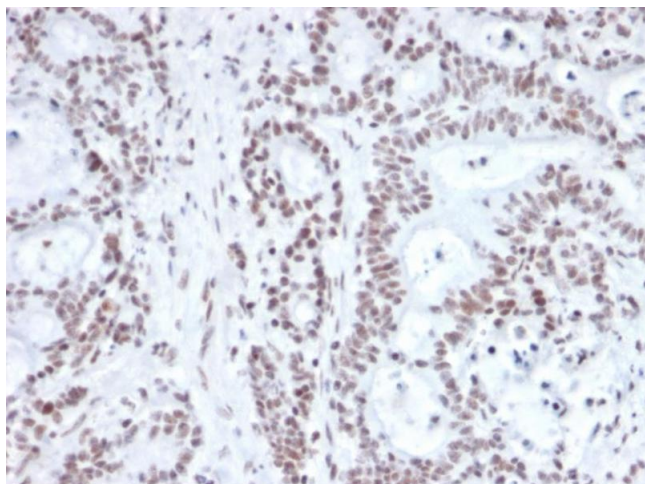
#### Western Blotting

**Image 1.** Western Blot Analysis of human HEK293, HeLa, A431, MOLT4 cell lysates using NRF1 Mouse Monoclonal Antibody (NRF1/2609).



#### Immunohistochemistry

**Image 2.** Formalin-fixed, paraffin-embedded human colon carcinoma stained with NRF1 Mouse Monoclonal Antibody (NRF1/2609).



#### Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human prostate carcinoma stained with NRF1 Mouse Monoclonal Antibody (NRF1/2609).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6940224.