



# Rabbit Anti-Human NFE2L2 monoclonal antibody, clone TV1445 (CABT-L645)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

Target	Phospho-Nrf2(S40)
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	TV1445
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, IP, FC
Molecular Weight	90 kDa
Cellular Localization	Cytoplasm, Nucleus.
Positive Control	Raji, A549, Hela, HepG2, human tonsil tissue, human kidney tissue, human breast carcinoma tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

<b>Preservative</b>	0.05% Sodium Azide
<b>Storage</b>	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

## BACKGROUND

<b>Introduction</b>	<p>The NF-E2 DNA binding protein is composed of two subunits, p45 and MafK. 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, Jun B and Jun D) 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 its repressor protein, Keap1. The gene encoding human Nrf3 maps to chromosome 7p15.2. Nrf3 is highly expressed in placenta, B cells and monocytes.</p>
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<b>Keywords</b>	<p>erythroid derived 2;HEBP1;like 2;NF E2 related factor 2;NF-E2-related factor 2;NF2L2_HUMAN;NFE2 related factor 2;NFE2-related factor 2;Nfe2l2;Nrf 2;NRF2;Nuclear factor (erythroid derived 2) like 2;Nuclear factor;nuclear factor erythroid 2 like 2;Nuclear factor erythroid 2 related factor 2;Nuclear factor erythroid 2-related factor 2;Nuclear factor erythroid derived 2 like 2 antibody</p>
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## GENE INFORMATION

<b>Entrez Gene ID</b>	<a href="#">4780</a>
<b>UniProt ID</b>	<a href="#">Q16236</a>