NRF2 Recombinant antibody

Cat:B14002L

Company: HaoKebio

Uniprot ID:Q16236

Organism: Rabbit

Species reactivity: Human Mouse Rat

Molecular Weight Calculation: 68 kDa

Observed Molecular Weight: 110 kDa, 68 kDa

Applications: IHC:1:50-1:200

IHC-Polymer:1:200-1:800

IHC-TSA:1:250-1:1000

WB:1:500-1:2000

Background:

NRF2, also named as NFE2L2, belongs to the bZIP family and CNC subfamily. It is a transcription activator that binds to antioxidant response (ARE) elements in the promoter regions of target genes. NRF2 is important for the coordinated up-regulation of genes in response to oxidative stress. It may be involved in the transcriptional activation of genes of the beta-globin cluster by mediating enhancer activity of hypersensitive site 2 of the beta-globin locus control region. Nrf2 is a key player in the regulation of genes encoding for many antioxidative response enzymes.The expression of NRF2 may be induced under oxidative stress (PMID:14567983).In lung cancer, Nrf2 activation in malignant cells has been associated with tumor progression and chemotherapy resistance(PMID:20534738). Identifying patients with abnormal NRF2 expression may be important for selection for chemotherapy in NSCLC. As new investigators break into the emerging field of Nrf2 research, confusion regarding the correct migratory pattern of Nrf2 is causing doubts about the accuracy and reproducibility of published results. This letter provides solid evidence that the actually observed molecular weight of Nrf2 is about 70kDa and 95-110 kDa.

Protein full name:

nuclear factor (erythroid-derived 2)-like 2

Synonyms:

NFE2L2, NRF2, HEBP1, NF-E2-related factor 2, NFE2-related factor 2

Immunogen:

Recombinant protein

Isotype:

IgG

Subcellular location:

Cytoplasm,Nucleus

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

PBS with 0.02%sodium azide,100 μg/ml BSA and 50% glycerol.

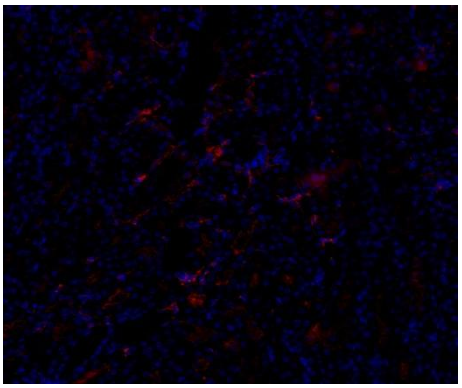
Storage:

Store at -20 ℃ for one year.

Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0) , Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes.Incubate antibody, 4℃ overnight.Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

Images:



Sample: Mouse kidney, 4% PFA 12-24h

Source of Reagents:

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发表[英文论文]请标注:NRF2(B14002L) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.