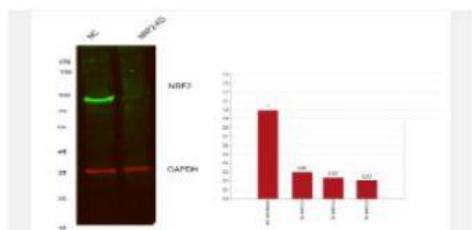


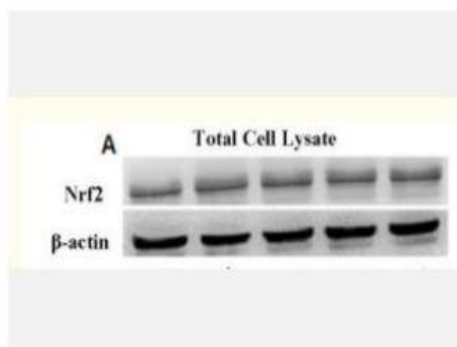
## Nrf2 Polyclonal Antibody

|                              |   |
|------------------------------|---|
| <b>Catalog No.</b>           | IPB0035   |
| <b>Reactivity</b>            | Human; Mouse; Rat   |
| <b>Applications</b>          | WB; IHC-p; IF/ICC; ELISA  |
| <b>Dilution</b>              | WB: 1:500-1:2000 IHC: 1:50-1:200 IF: 1:50-1:200 ELISA: 1:40000  |
| <b>Gene Name</b>             | NFE2L2  |
| <b>Protein Name</b>          | Nuclear factor erythroid 2-related factor 2   |
| <b>Human Gene Id</b>         | 4780  |
| <b>Swiss-Prot</b>            | Q16236  |
| <b>Formulation</b>           | Liquid in PBS containing 50% glycerol, 05% BSA and 002% sodium azide  |
| <b>Source</b>                | Rabbit  |
| <b>Purification</b>          | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen  |
| <b>Concentration</b>         | 1 mg/ml   |
| <b>Storage&amp;Stability</b> | -20°C/1 year  |
| <b>Subcellular Location</b>  | Cytoplasm, cytosol Nucleus Cytosolic under unstressed conditions: ubiquitinated and degraded by the BCR(KEAP1) E3 ubiquitin ligase complex (PubMed:15601839, PubMed:21196497) Translocates into the nucleus upon induction by electrophilic agents that inactivate the BCR(KEAP1) E3 ubiquitin ligase complex (PubMed:21196497)   |
| <b>MW</b>                    | 75-100  |
| <b>Background</b>            | This gene encodes a transcription factor which is a member of a small family of basic leucine zipper (bZIP) proteins The encoded transcription factor regulates genes which contain antioxidant response elements (ARE) in their promoters; many of these genes encode proteins involved in response to injury and inflammation which includes the production of free radicals Multiple transcript variants encoding different isoforms have been characterized for this gene |

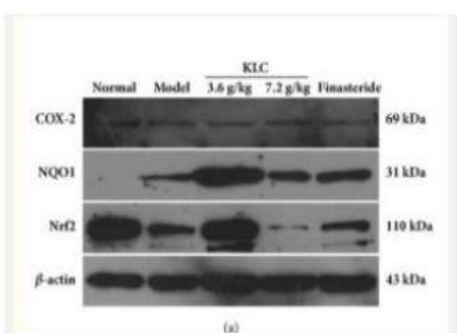
### Products Images:



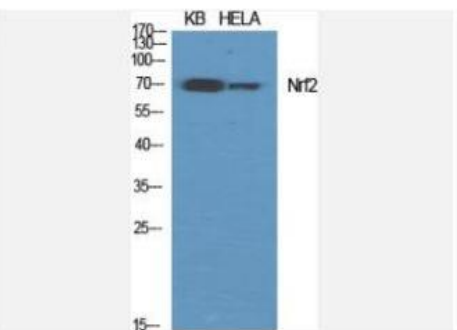
Western blot analysis of lysates from 1)Hela cell , 2)Hela cells knockdown by NRF2-siRNA  
(F:CAUUGAUGUUUCUGAUCUATT,R:UAGAUCAAGAAACAUCUAAUGTT),  
(Green) primary antibody was diluted at 1:1000, 4°over night,  
Dylight 800 secondary antibody(Immunoway:RS23920)was diluted at 1:10000, 37° 1hour.  
(Red) GAPDH Monoclonal Antibody(5B7) (Immunoway:YM3029) antibody was diluted at 1:5000 as loading control, 4° over night, Dylight 680 secondary antibody(Immunoway:RS23710)was diluted at 1:10000, 37° 1hour.



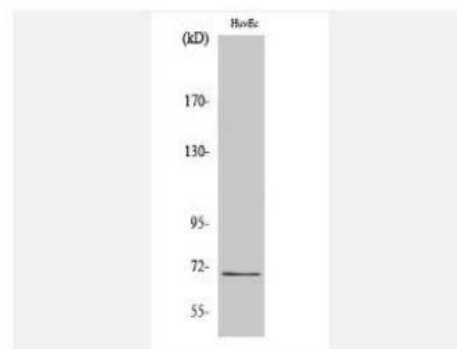
Li, Yixin, et al. "Glycogen synthase kinase 3 $\beta$  influences injury following cerebral ischemia/reperfusion in rats." International journal of biological sciences 12.5 (2016): 518.



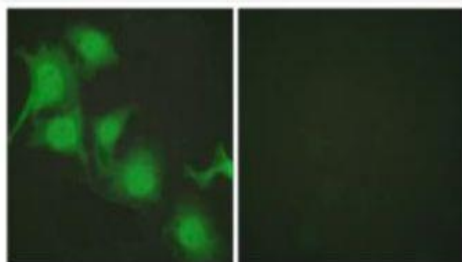
Zhang, Ling, et al. "Anti-Inflammatory and Antioxidant Effects of Kelong-Capsule on Testosterone-Induced Benign Prostatic Hyperplasia in Rats." Evidence-Based Complementary and Alternative Medicine 2018 (2018).



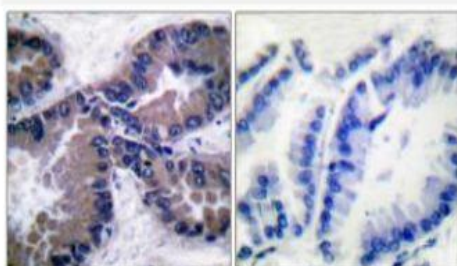
Western Blot analysis of various cells using Nrf2 Polyclonal Antibody diluted at 1:1000



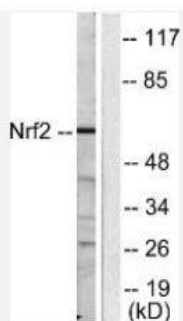
Western Blot analysis of HuvEc cells using Nrf2 Polyclonal Antibody diluted at 1:1000



Immunofluorescence analysis of HUVEC cells, using Nrf2 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using Nrf2 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HUVEC cells, using Nrf2 Antibody. The lane on the right is blocked with the synthesized peptide.