Nrf2 Polyclonal Antibody

--- DATASHEET ---

**Host:** Rabbit  
**Target Protein:** Nrf2  
**Immunogen:** 430-480/605  
**Range:**  
**Clonality:** Polyclonal  
**Isotype:** IgG  
**Entrez Gene:** 4780  
**Swiss Prot:** Q16236  
**Source:** KLH conjugated synthetic peptide derived from human Nrf2  
**Purification:** Purified by Protein A.  
**Storage:** Aqueous buffered solution containing 100ug/ml BSA, 50% glycerol and 0.09% sodium azide. Store at -20°C for 12 months.  
**Background:** Transcription activator that binds to antioxidant response (ARE) elements in the promoter regions of target genes. Important for the coordinated up-regulation of genes in response to oxidative stress. 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.

--- PRODUCT SPECIFIC PUBLICATIONS ---

- Lee, Bao-Hong, et al. "Suppression of dimeric acid on hepatic fibrosis caused from carboxymethyl-lysine (CML) by attenuating oxidative stress depends on Nrf2 activation in hepatic stellate cells (HSCs)." Food and Chemical Toxicology 62 (2013): 413-419.
- Lee, Bao-Hong, et al. "Suppression of dimeric acid on hepatic fibrosis caused from carboxymethyl-lysine (CML) by attenuating oxidative stress depends on Nrf2 activation in hepatic stellate cells (HSCs)." Food and Chemical Toxicology (201).  

--- VALIDATION IMAGES ---

**Size:** 100ul  
**Concentration:** 1ug/ul  
**Applications:** WB(1:100-1000), IHC-P(1:100-500), IF(IHC-P)(1:50-200)  
**Cross Reactive:** Human  
**Species:** Mouse, Rat  

For research use only. Not intended for diagnostic or therapeutic use.
Formalin-fixed and paraffin embedded human endometrial cancer labeled with Rabbit Anti-Nrf2 Polyclonal Antibody, Unconjugated (bs-1074R) 1:200 followed by conjugation to the secondary antibody and DAB staining.

Image submitted by One World Lab validation program. 20 µg proteins of cell lysates from MCF7, HeLa and A431 were separated by SDS-PAGE and transferred to PVDF membrane for western blotting analysis using bs-1074R Rabbit Anti-Nrf2 Polyclonal Antibody at dilution of 1:200 with exposure time of 10 min.
Formalin-fixed and paraffin embedded mouse myocardium labeled with (bs-1074R) Rabbit Anti-Nrf2 Polyclonal Antibody, Unconjugated 1:300 followed by conjugation to the secondary antibody and DAB staining

Rat brain lysates probed with Anti Nrf2 Polyclonal Antibody, Unconjugated (bs-1074R) at 1:200 overnight at 4°C. Followed by conjugation to secondary antibody (bs-0295G-HRP) at 1:3000 for 90 min at 37°C. Predicted band 66kD. Observed band size 66kD.