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Datasheet for ABIN737271

anti-NRF2 antibody (AA 430-480)

5 Images

22 Publications

Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | NRF2 (NFE2L2) |
| Binding Specificity: | AA 430-480 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This NRF2 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Cultured Cells) (IF (cc)) |

Product Details

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|-----------------------|--|
| Immunogen: | KLH conjugated synthetic peptide derived from human Nrf2 |
| Isotype: | IgG |
| Cross-Reactivity: | Chicken, Human, Mouse, Pig, Rabbit, Rat |
| Predicted Reactivity: | Dog,Cow,Horse |
| Purification: | Purified by Protein A. |

Target Details

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|---------|---------------|
| Target: | NRF2 (NFE2L2) |
|---------|---------------|

Target Details

| | |
|-------------------|--|
| Alternative Name: | Nrf2 (NFE2L2 Products) |
| Background: | <p>Synonyms: NRF2, Nuclear factor erythroid 2-related factor 2, NF-E2-related factor 2, NFE2-related factor 2, HEBP1, Nuclear factor, erythroid derived 2, like 2, NFE2L2</p> <p>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.</p> |
| Gene ID: | 4780 |
| UniProt: | Q16236 |
| Pathways: | ER-Nucleus Signaling , Negative Regulation of intrinsic apoptotic Signaling |

Application Details

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|--------------------|--|
| Application Notes: | WB 1:100-1000 IHC-P 1:100-500 IF(IHC-P) 1:50-200 |
| Restrictions: | For Research Use only |

Handling

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|--------------------|---|
| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol. |
| 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,-20 °C |
| Storage Comment: | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |
| Expiry Date: | 12 months |

Publications

Product cited in:

Xu, Zheng, Liu, Li, Yang, Shang: "Glucocalyxin B Alleviates Lipopolysaccharide-Induced Parkinson's Disease by Inhibiting TLR/NF- κ B and Activating Nrf2/HO-1 Pathway." in: **Cellular physiology and biochemistry : international journal of experimental cellular physiology, biochemistry, and pharmacology**, Vol. 44, Issue 6, pp. 2091-2104, (2018) ([PubMed](#)).

Zeng, Li, Zhang, Liu, Li, Xiong, He, Wang, Ye: "Tert-Butylhydroquinone Protects Liver Against Ischemia/Reperfusion Injury in Rats Through Nrf2-Activating Anti-Oxidative Activity." in: **Transplantation proceedings**, Vol. 49, Issue 2, pp. 366-372, (2017) ([PubMed](#)).

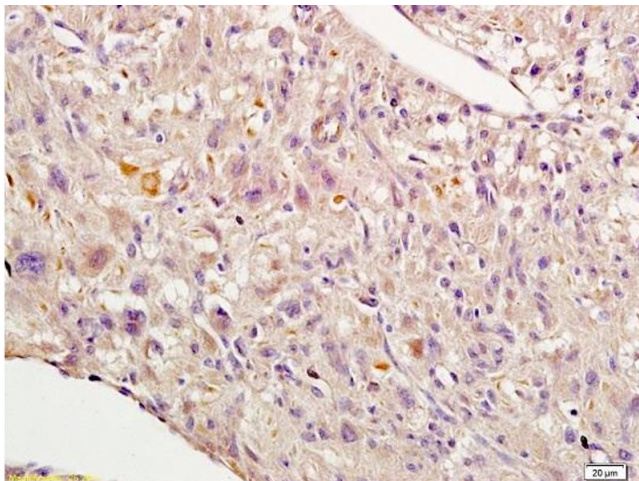
Zhang, Dong, Chen, Liu, Huang, Zhong, Cheng, Wang: "Nrf2 mediates the protective effects of homocysteine by increasing the levels of GSH content in HepG2 cells." in: **Molecular medicine reports**, Vol. 16, Issue 1, pp. 597-602, (2017) ([PubMed](#)).

Yu, Bei, Li, Han, Zhong, Liu, Zhao, Zhu, Zhao: "In vitro the differences of inflammatory and oxidative reactions due to sulfur mustard induced acute pulmonary injury underlying intraperitoneal injection and intratracheal instillation in rats." in: **International immunopharmacology**, Vol. 47, pp. 78-87, (2017) ([PubMed](#)).

Shen, Wu, Wang, Zhao, Zhang, Li, Zhao: "Chloroquine attenuates paraquat-induced lung injury in mice by altering inflammation, oxidative stress and fibrosis." in: **International immunopharmacology**, Vol. 46, pp. 16-22, (2017) ([PubMed](#)).

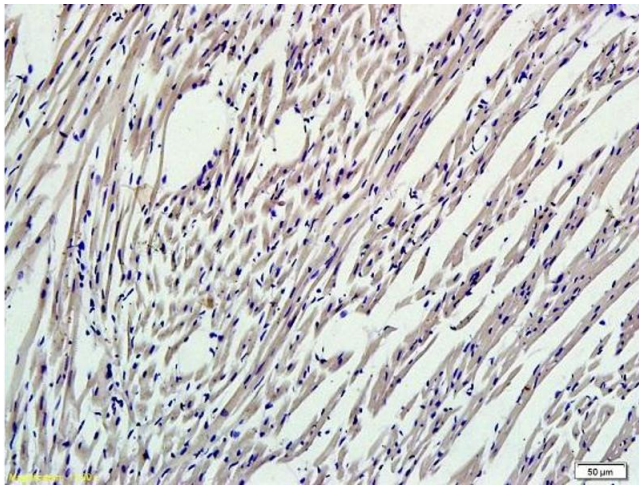
There are more publications referencing this product on: [Product page](#)

Images



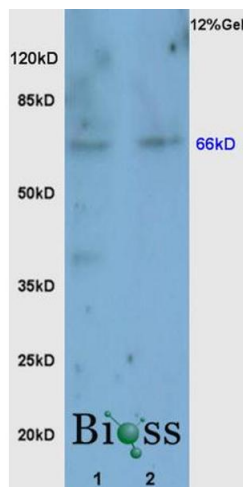
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human endometrial cancer labeled with Rabbit Anti-Nrf2 Polyclonal Antibody, Unconjugated (ABIN737271) 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded mouse myocardium labeled with (ABIN737271) Rabbit Anti-Nrf2 Polyclonal Antibody, Unconjugated 1:300 followed by conjugation to the secondary antibody and DAB staining



SDS-PAGE

Image 3. Rat brain lysates probed with Anti Nrf2 Polyclonal Antibody, Unconjugated (ABIN737271) at 1:200 overnight at 4 °C. Followed by conjugation to secondary antibody at 1:3000 for 90 min at 37 °C. Predicted band 66kD. Observed band size:66kD.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN737271.