Product Datasheet

Nrf2 Antibody
NBP3-09069

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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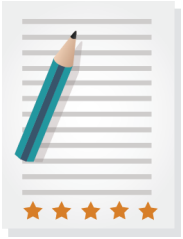
Updated 1/3/2023 v.20.1



NBP3-09069

Nrf2 Antibody

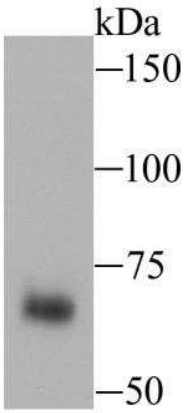
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	TBS (pH7.4), 0.5% BSA, 50% Glycerol
Target Molecular Weight	68 kDa

Product Description	
Host	Rabbit
Gene Symbol	NFE2L2
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within N-terminal human Nrf2. (SwissProt: Q16236 Human; SwissProt: Q60795 Mouse; SwissProt: O54968 Rat)

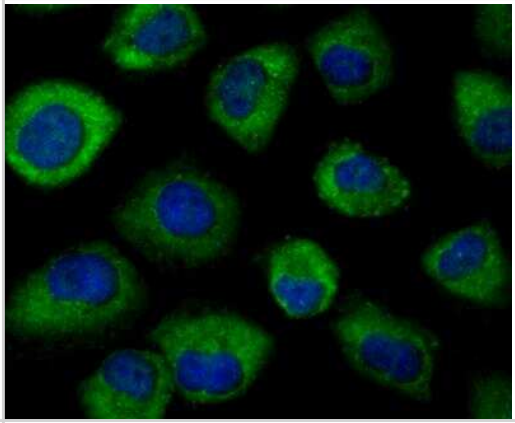
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500, Flow Cytometry 1:50-1:100, Immunohistochemistry 1:50-1:200, Immunocytochemistry/ Immunofluorescence 1:500-1:1000, Immunohistochemistry-Paraffin 1:50-1:200

Images

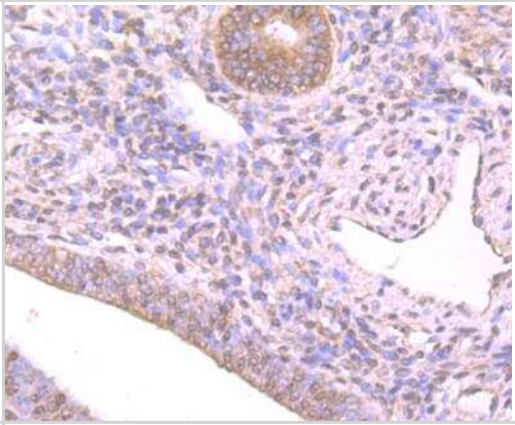
Western Blot: Nrf2 Antibody [NBP3-09069] - Western blot analysis of Nrf2 on mouse liver tissue lysate. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (ER1706-41, 1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature.



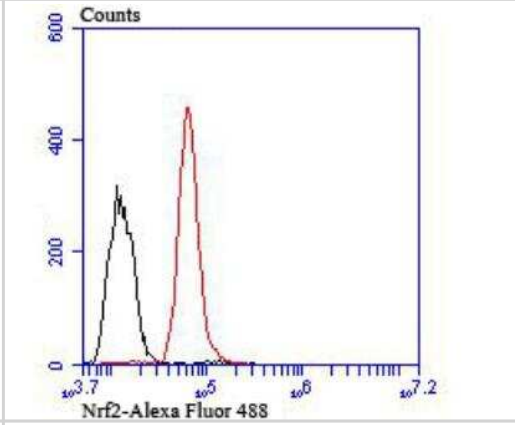
Immunocytochemistry/Immunofluorescence: Nrf2 Antibody [NBP3-09069] - ICC staining of Nrf2 in Huvec cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with the primary antibody (ER1706 -41, 1/500) for 1 hour at room temperature, washed with PBS. Alexa Fluor (TM) 488 Goat anti-Rabbit IgG was used as the secondary antibody at 1/100 dilution. The nuclear counter stain is DAPI (blue).



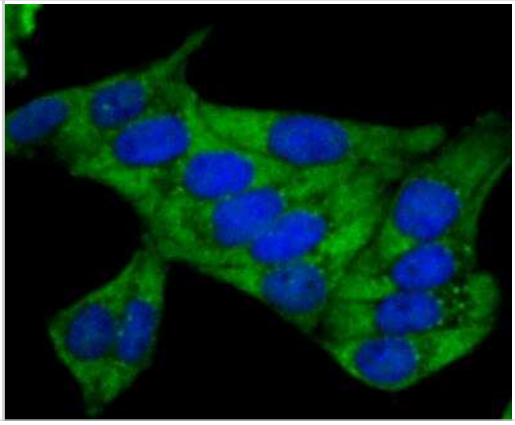
Immunohistochemistry-Paraffin: Nrf2 Antibody [NBP3-09069] - Immunohistochemical analysis of paraffin-embedded human uterus tissue using anti-Nrf2 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes.The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



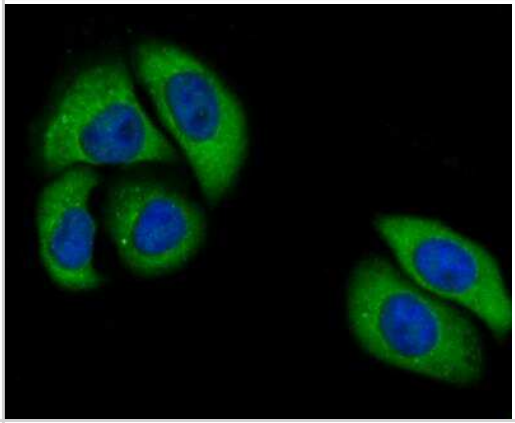
Flow Cytometry: Nrf2 Antibody [NBP3-09069] - Flow cytometric analysis of Nrf2 was done on HepG2 cells. The cells were fixed, permeabilized and stained with the primary antibody (1/100) (red). After incubation of the primary antibody at room temperature for an hour, the cells were stained with a Alexa Fluor 488-conjugated goat anti-rabbit IgG Secondary antibody at 1/500 dilution for 30 minutes.Unlabelled sample was used as a control (cells without incubation with primary antibody; black).



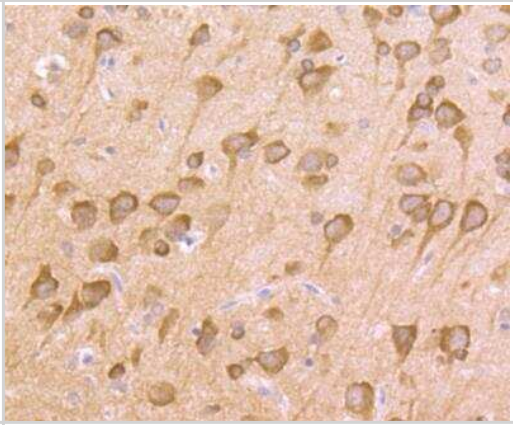
Immunocytochemistry/Immunofluorescence: Nrf2 Antibody [NBP3-09069] - ICC staining of Nrf2 in Hela cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with the primary antibody (ER1706 -41, 1/500) for 1 hour at room temperature, washed with PBS. Alexa Fluor (TM) 488 Goat anti-Rabbit IgG was used as the secondary antibody at 1/100 dilution. The nuclear counter stain is DAPI (blue).



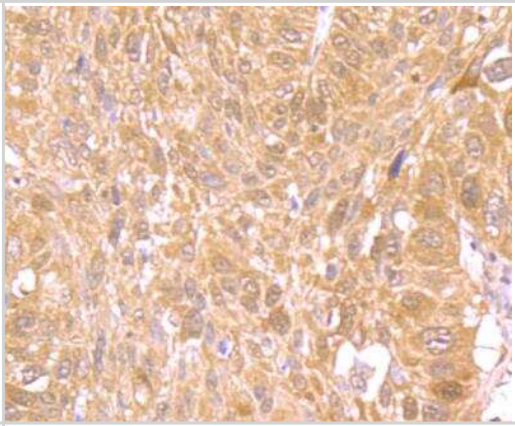
Immunocytochemistry/Immunofluorescence: Nrf2 Antibody [NBP3-09069] - ICC staining of Nrf2 in HepG2 cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with the primary antibody (ER1706 -41, 1/500) for 1 hour at room temperature, washed with PBS. Alexa Fluor (TM) 488 Goat anti-Rabbit IgG was used as the secondary antibody at 1/100 dilution. The nuclear counter stain is DAPI (blue).



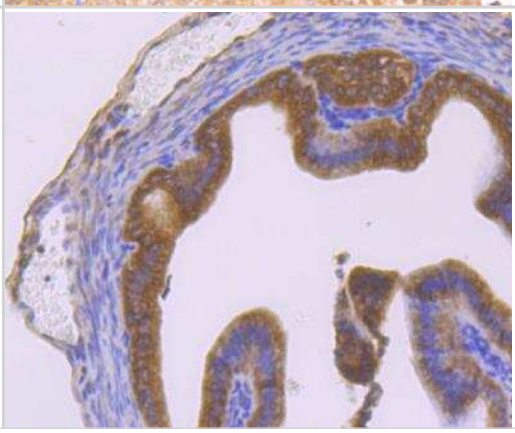
Immunohistochemistry-Paraffin: Nrf2 Antibody [NBP3-09069] - Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-Nrf2 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes.The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (1/200) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



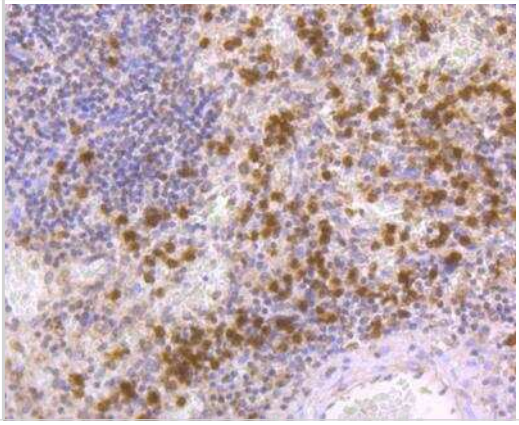
Immunohistochemistry-Paraffin: Nrf2 Antibody [NBP3-09069] - Immunohistochemical analysis of paraffin-embedded human lung tissue using anti-Nrf2 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes.The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (1/100) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunohistochemistry-Paraffin: Nrf2 Antibody [NBP3-09069] - Immunohistochemical analysis of paraffin-embedded mouse fallopian tubes tissue using anti-Nrf2 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes.The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (1/200) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunohistochemistry-Paraffin: Nrf2 Antibody [NBP3-09069] - Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-Nrf2 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes.The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (1/200) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



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