



## International Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB11042 - Goat Anti-NRF2 (aa445-458) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** NFE2L2, nuclear factor (erythroid-derived 2)-like 2, NRF2, HEBP1, NF-E2-related factor 2, NFE2-related factor 2, OTTHUMP00000205251, OTTHUMP00000207980, nuclear factor erythroid 2-related factor 2, HEBP1, NFE2-related factor 2, NF-E2-related factor 2, NRF2, nuclear factor (erythroid-derived 2)-like 2, nuclear factor erythroid 2-related factor 2, nuclear factor, erythroid derived 2, like 2, OTTHUMP00000205251, OTTHUMP00000207980, NFE2L2

**Official Symbol:** NFE2L2

**Accession Number(s):** NP\_006155.2; NP\_001138884.1; NP\_001138885.1; NP\_001300831.1;

**Human GeneID(s):** [4780](#)

**Non-Human GeneID(s):** 18024 (mouse), 83619 (rat)

**Important Comments:** This antibody is expected to recognize all reported isoforms (

### Immunogen

Peptide with sequence C-KHSSRLEAHLTRDE, from the internal region of the protein sequence according to NP\_006155.2; NP\_001138884.1; NP\_001138885.1; NP\_001300831.1;.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:64000.

**Western blot:** Approx 70kDa band observed in Human Lung lysates and approx 75kDa in preliminary testing of Mouse and Rat Liver and KNRK, MDCK, and nuclear NIH3T3 cell lysate (calculated MW of 67.8kDa according to NP\_006155.2). This molecular weight rate is routinely observed by other sources. Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature.

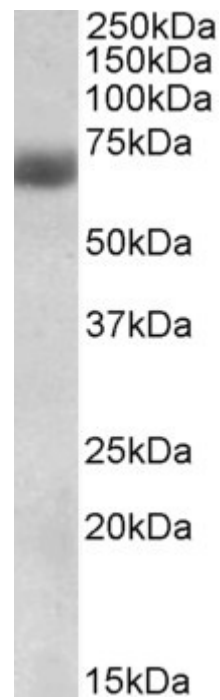
**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm and nuclei of U2OS and HeLa cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.

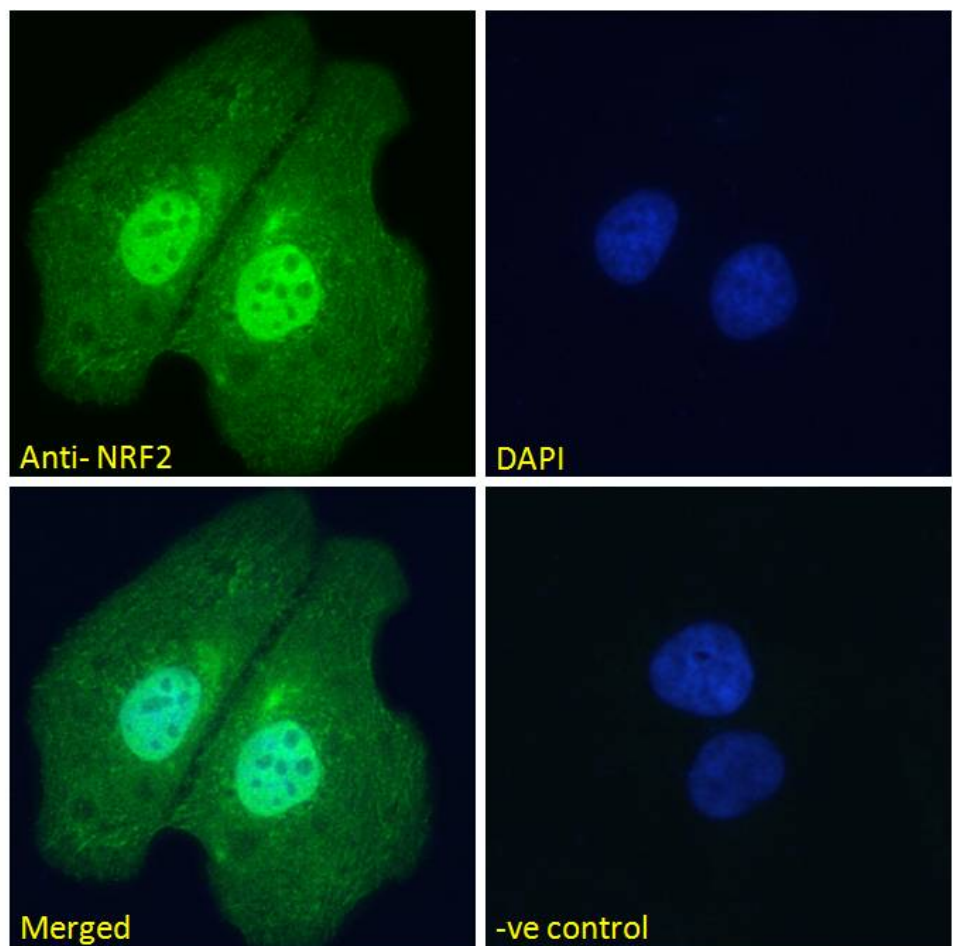
### Species Reactivity

**Tested:** Human

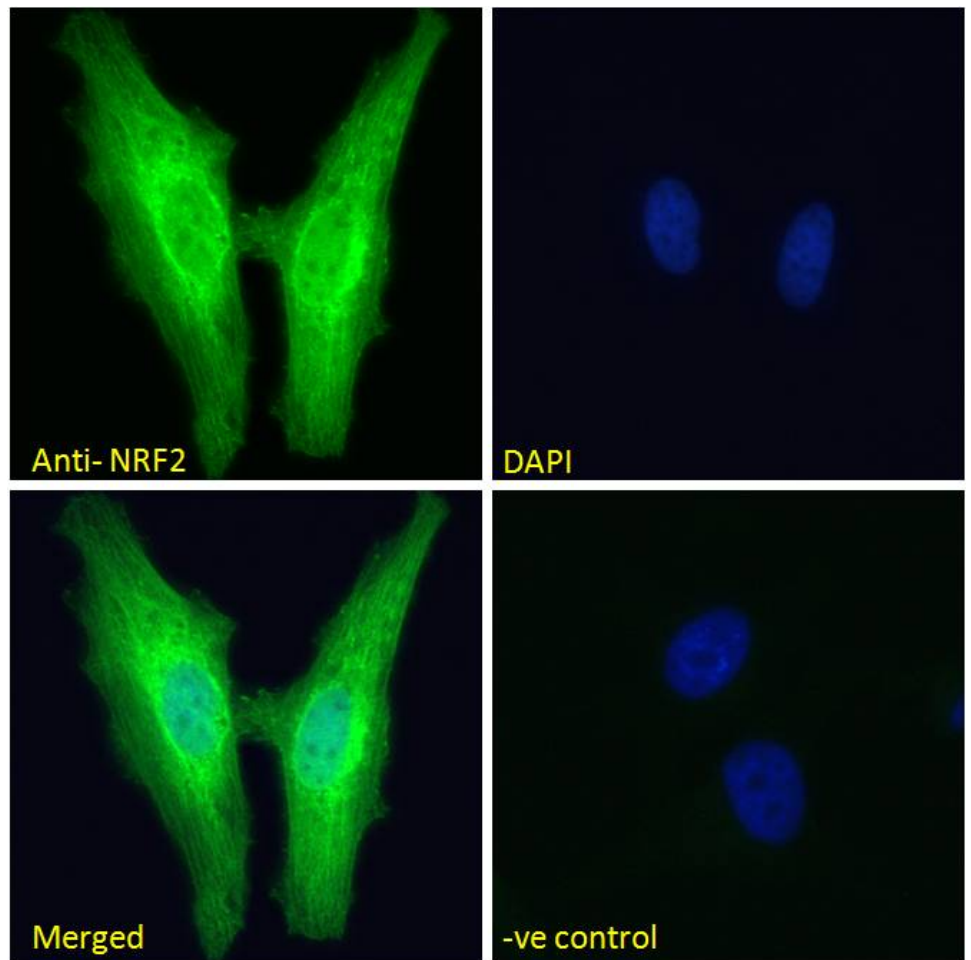
**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Pig, Cow



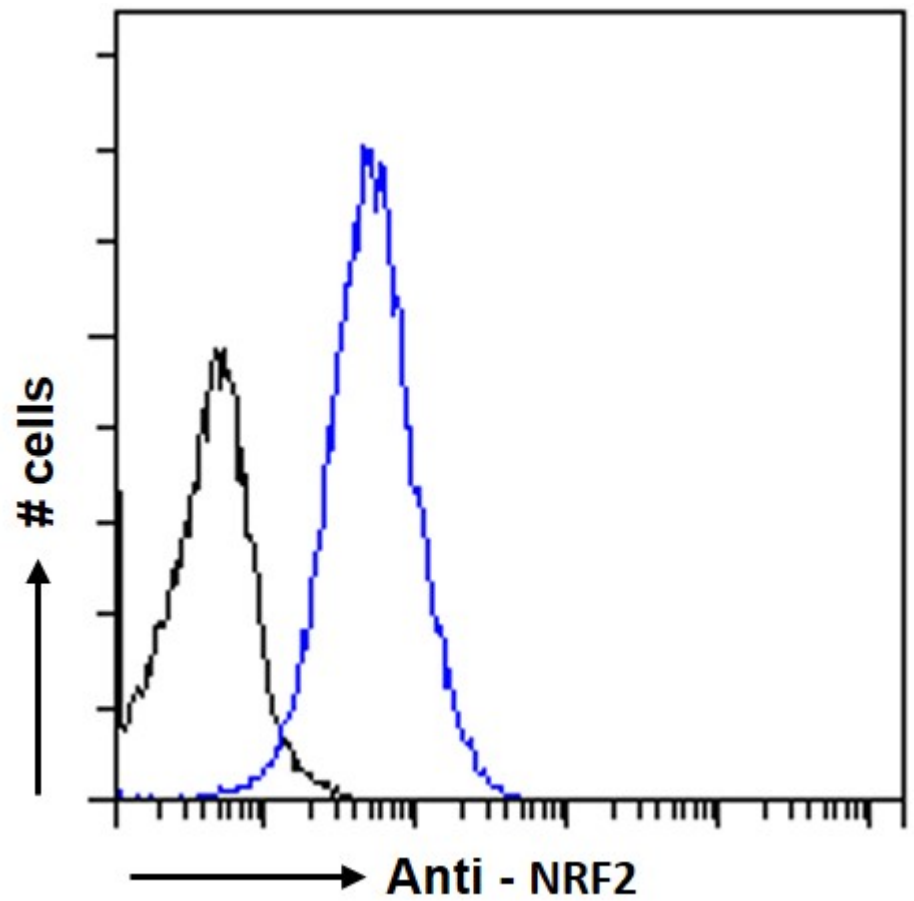
EB11042 (0.3 $\mu$ g/ml) staining of Human Lung lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB11042 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 $\mu$ g/ml) followed by Alexa Fluor 488 secondary antibody (2 $\mu$ g/ml), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 $\mu$ g/ml) followed by Alexa Fluor 488 secondary antibody (2 $\mu$ g/ml).



EB11042 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB11042 Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.