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

EB07540 - Goat Anti-Farnesoid X receptor / FXR Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: farnesoid X receptor, HRR1, NR1H4, nuclear receptor subfamily 1, group H, member 4, BAR, FXR, HRR-1, RIP14, farnesol receptor HRR-1

Official Symbol: NR1H4

Accession Number(s): NP_005114.1; NP_001193906.1; NP_001193922.1;
NP_001193921.1; NP_001193907.1

Human GeneID(s): [9971](#)

Immunogen

Peptide with sequence KSCREKTELTDPDQQ, from the internal region of the protein sequence according to NP_005114.1; NP_001193906.1; NP_001193922.1; NP_001193921.1; NP_001193907.1.

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 1:32000.

Western blot: Preliminary testing showed a band at approx 55kDa in Human Kidney, Colon, Duodenum and Ileum lysate after 0.5µg/ml antibody staining (calculated MW of 54.4kDa according to NP_005114.1). Primary incubation 1 hour at room temperature.

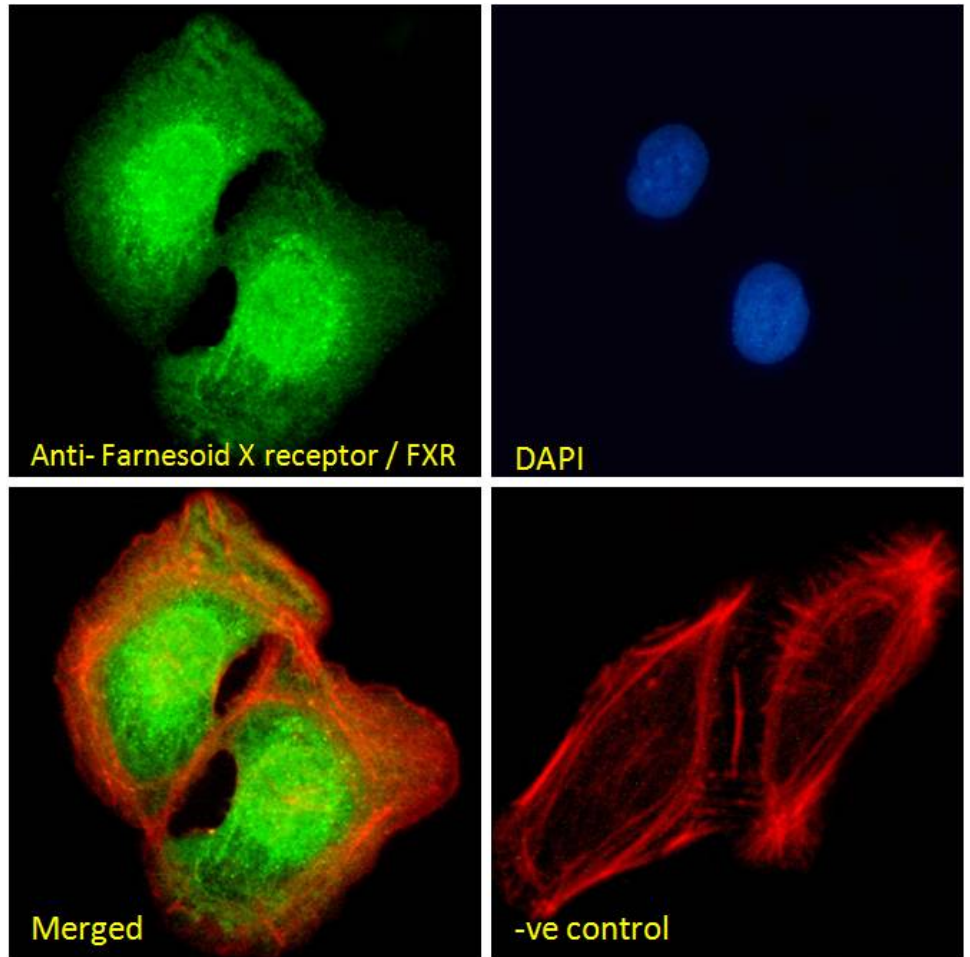
Immunofluorescence: Strong expression of the protein seen in the cytoplasm and nuclei of U2OS cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of U2OS cells. Recommended concentration: 10µg/ml.

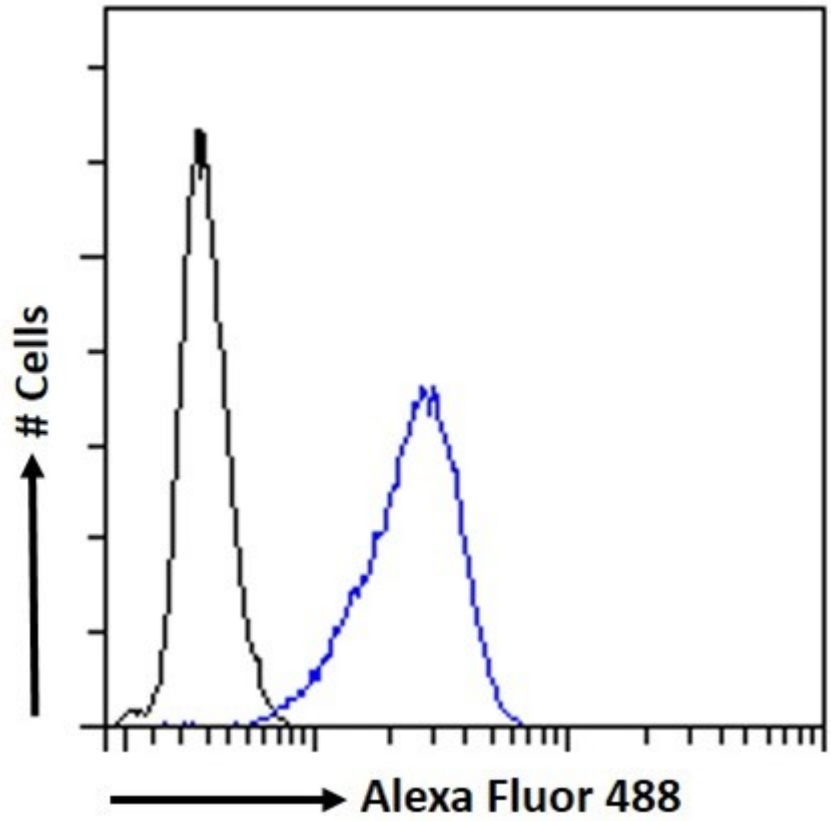
Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Cow



EB07540 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB07540 Flow cytometric analysis of paraformaldehyde fixed U2OS 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.