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Research Use Only. Not for diagnostic or therapeutic use.

EB12101 - Goat Anti-IFNGR1 (aa181-193) Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: IFNGR1, interferon gamma receptor 1, CD119, IFNGR, AVP, type 2, CD119 antigen, CDw119, IFN-gamma receptor 1, IFN-gamma-R1, antiviral protein, type 2, immune interferon receptor 1, interferon-gamma receptor alpha chain
Official Symbol: IFNGR1
Accession Number(s): NP_000407.1; NP_001350455.1; NP_001350456.1
Human GeneID(s): 3459

Immunogen

Peptide with sequence C-SEIQYKILTQKED, from the internal region of the protein sequence according to NP_000407.1; NP_001350455.1; NP_001350456.1.

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

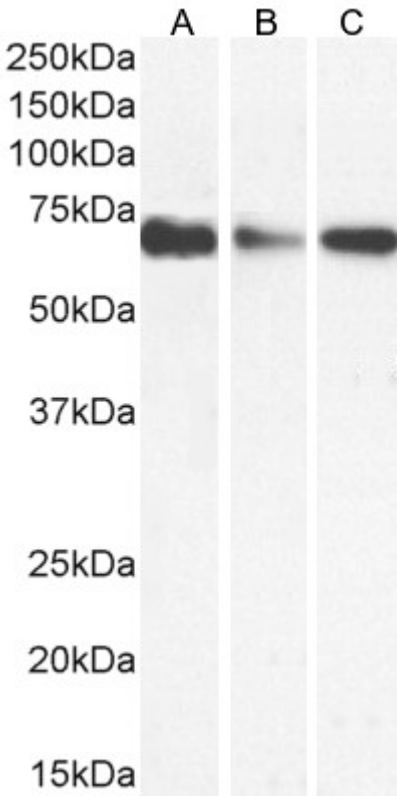
Peptide ELISA: antibody detection limit dilution 1:128000.
Western blot: Approx. 70kDa band observed in lysates of cell lines K562, Caco-2 and HepG2, and approx. 50kDa in Human Spleen lysates (calculated MW of 50.1kDa according to NP_001350456.1). The 70kDa observed molecular weight corresponds to the glycosylated form. Recommended concentration: 1-2µg/ml. Primary incubation 1 hour at room temperature.
IHC: Paraffin embedded Human Lung. Recommended concentration: 4-6µg/ml.

Immunofluorescence: Strong expression of the protein seen in the membranes of Caco-2 and THP-1 cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of K562 cells. Recommended concentration: 10ug/ml.

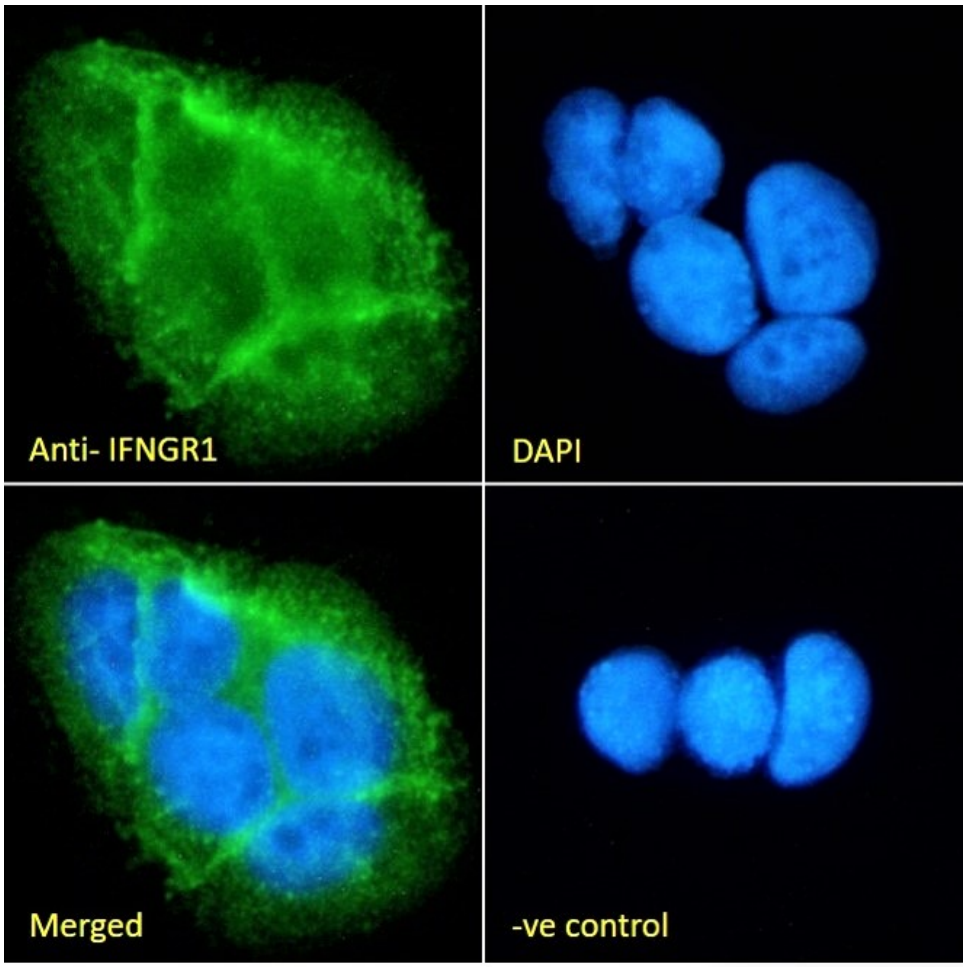
Species Reactivity

Tested: Human
Expected from sequence similarity: Human

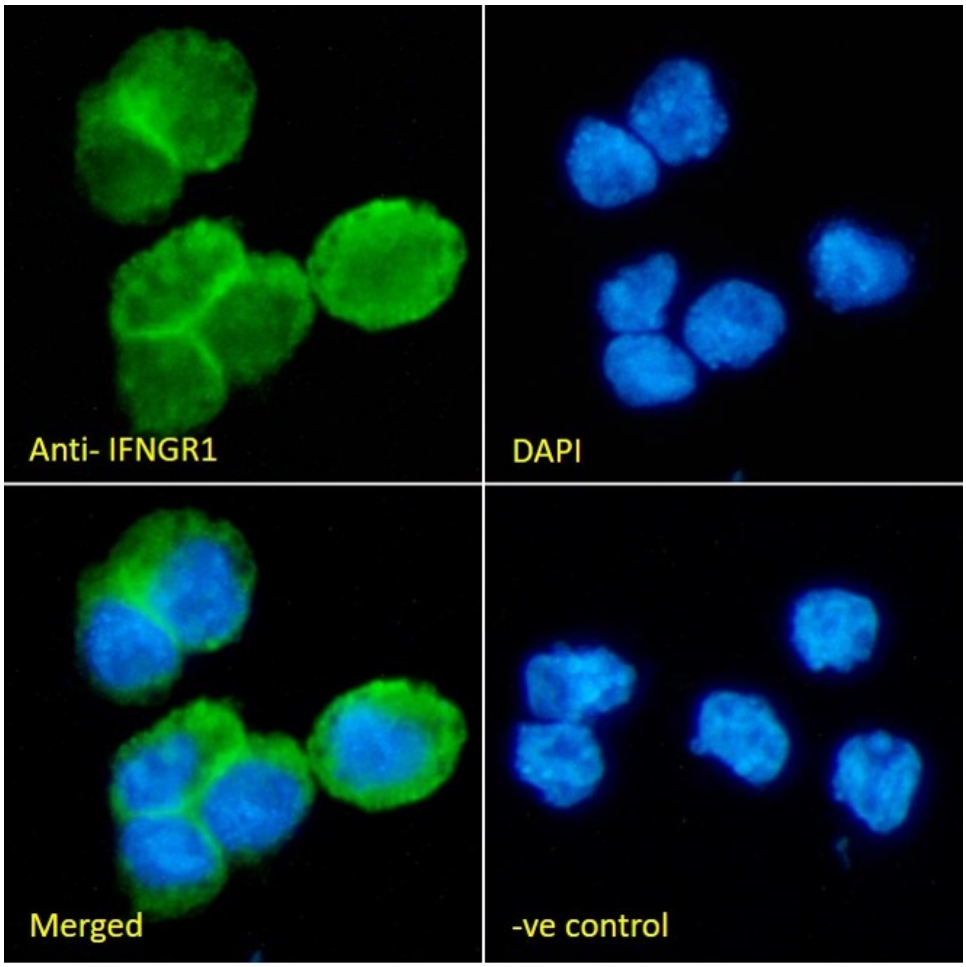


EB12101 (1µg/ml) staining of K562 (A) Caco-2 (B) and HepG2 (C) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

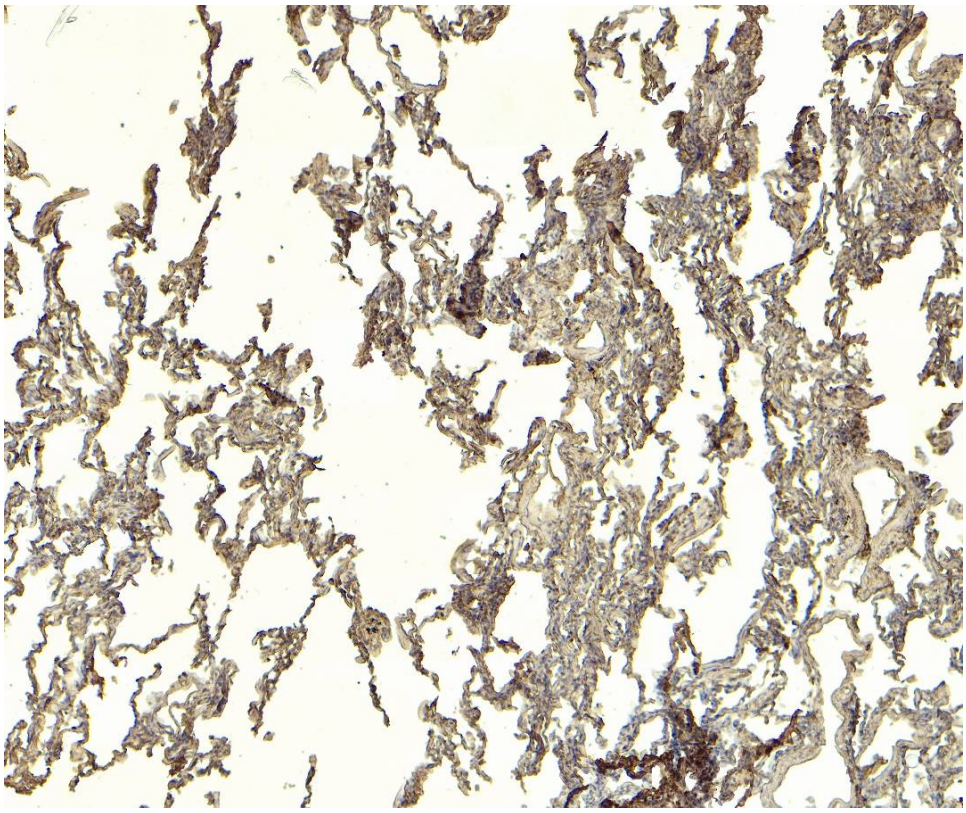
EB12101 (2µg/ml) staining of Human Spleen lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



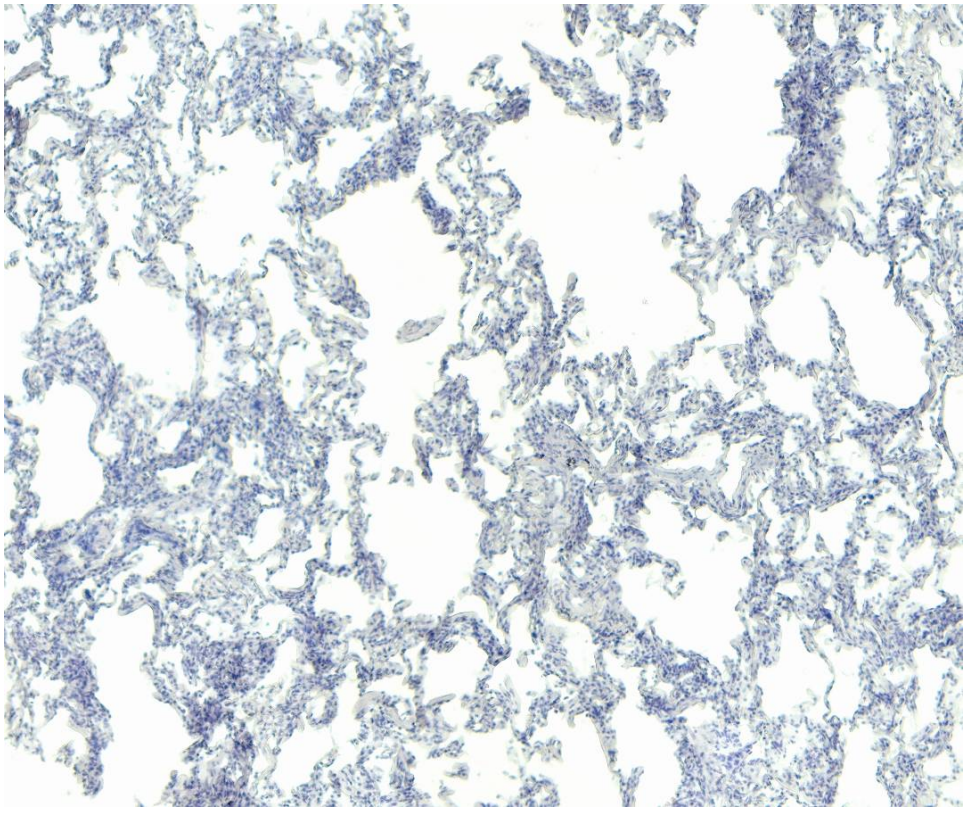
EB12101 Immunofluorescence analysis of paraformaldehyde fixed Caco-2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



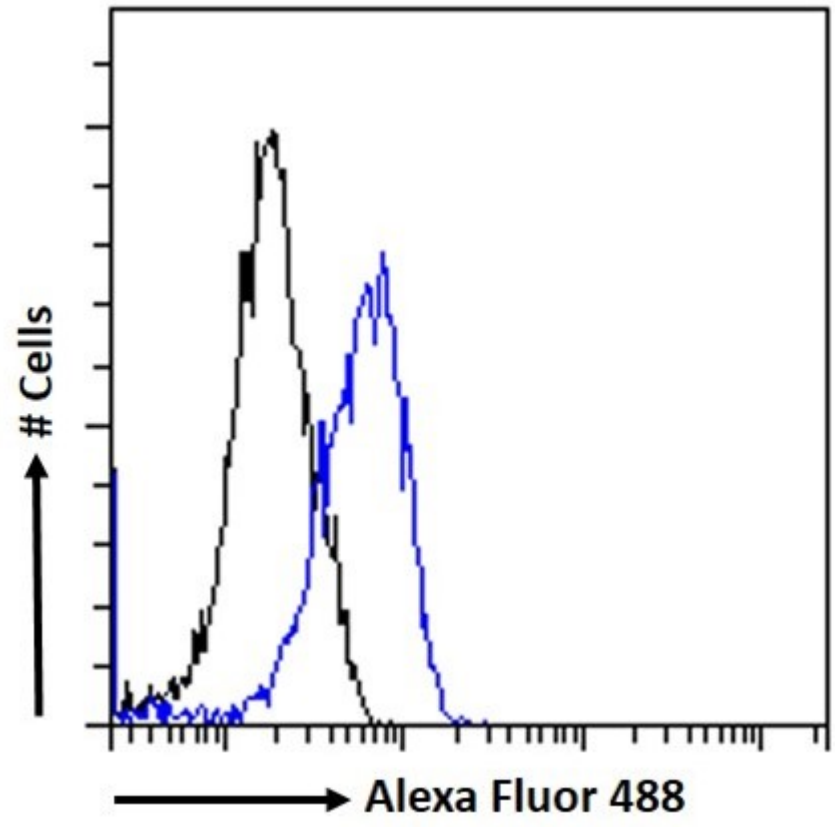
EB12101 Immunofluorescence analysis of paraformaldehyde fixed THP-1 cells immobilized on ShifixTM coverslip, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB12101 (4µg/ml) staining of paraffin embedded Human Lung. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB12101 Negative Control showing staining of paraffin embedded Human Lung, with no primary antibody.



EB12101 Flow cytometric analysis of paraformaldehyde fixed K562 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.