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EB07589 - Goat Anti-TCF1 / HNF1 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: TCF1, transcription factor 1, hepatic LF-B1, hepatic nuclear factor (HNF1), albumin proximal factor, HNF1, HNF1A, LFB1, MODY3, Interferon production regulator factor (HNF1), albumin proximal factor, hepatic nuclear factor 1, maturity onset diabetes of the young 3, transcription factor 1, hepatic
Official Symbol: HNF1A
Accession Number(s): NP_000536.3
Human GeneID(s): 6927
Non-Human GeneID(s): 21405 (mouse), 24817 (rat)

Immunogen

Peptide with sequence C-DELPTKKGRRNRFK, from the internal region of the protein sequence according to NP_000536.3.

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

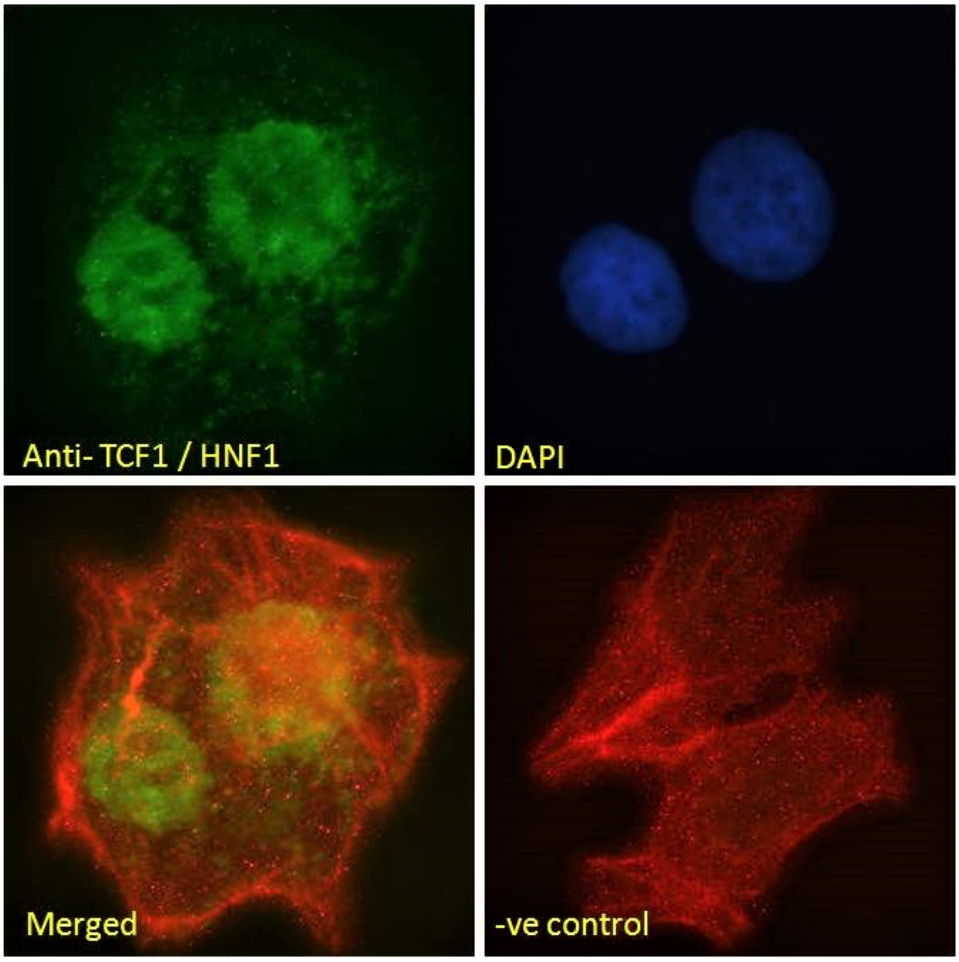
Peptide ELISA: antibody detection limit dilution 1:4000.
Western blot: A customer reported a weak band at approx. 75kDa on lysate of cell line Caco-2, at a concentration of 3ug/ml. Primary incubation 1 hour at room temperature.

Immunofluorescence: Strong expression of the protein seen in the nuclei of HepG2 and U2OS cells. Recommended concentration: 10µg/ml.

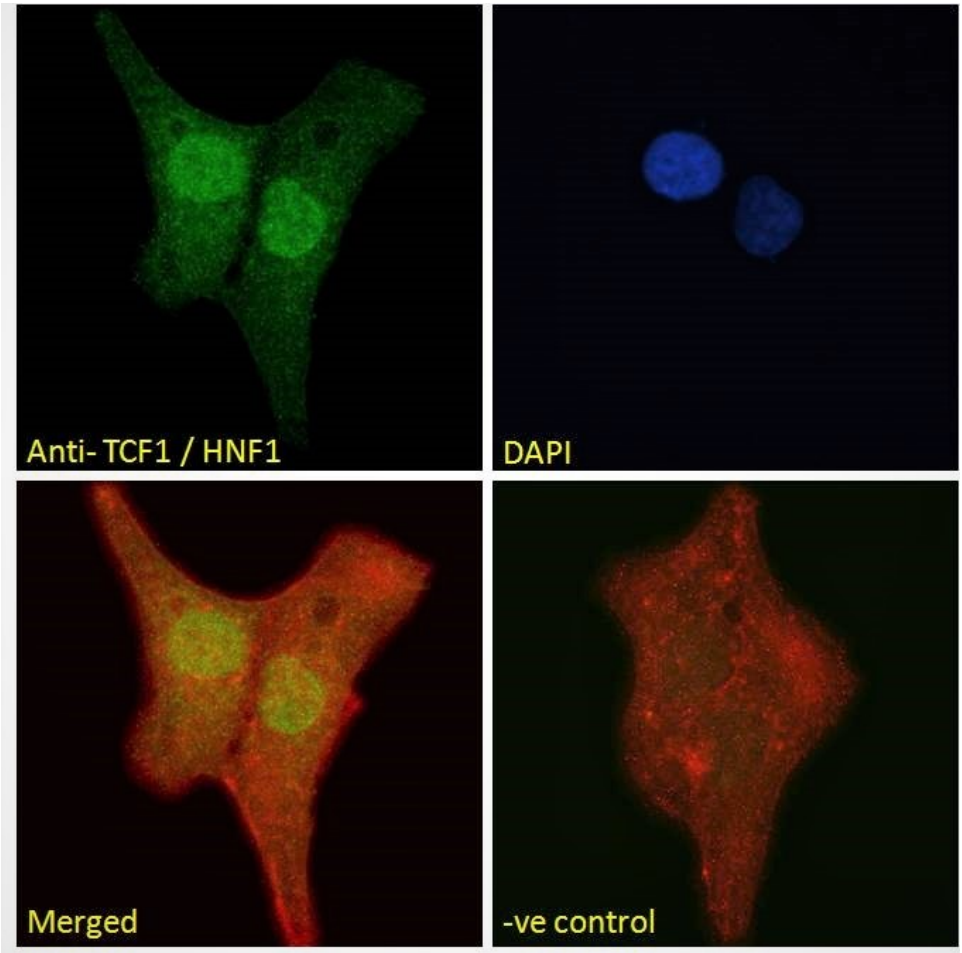
Flow Cytometry: Flow cytometric analysis of HepG2 cells. Recommended concentration: 10ug/ml.

Species Reactivity

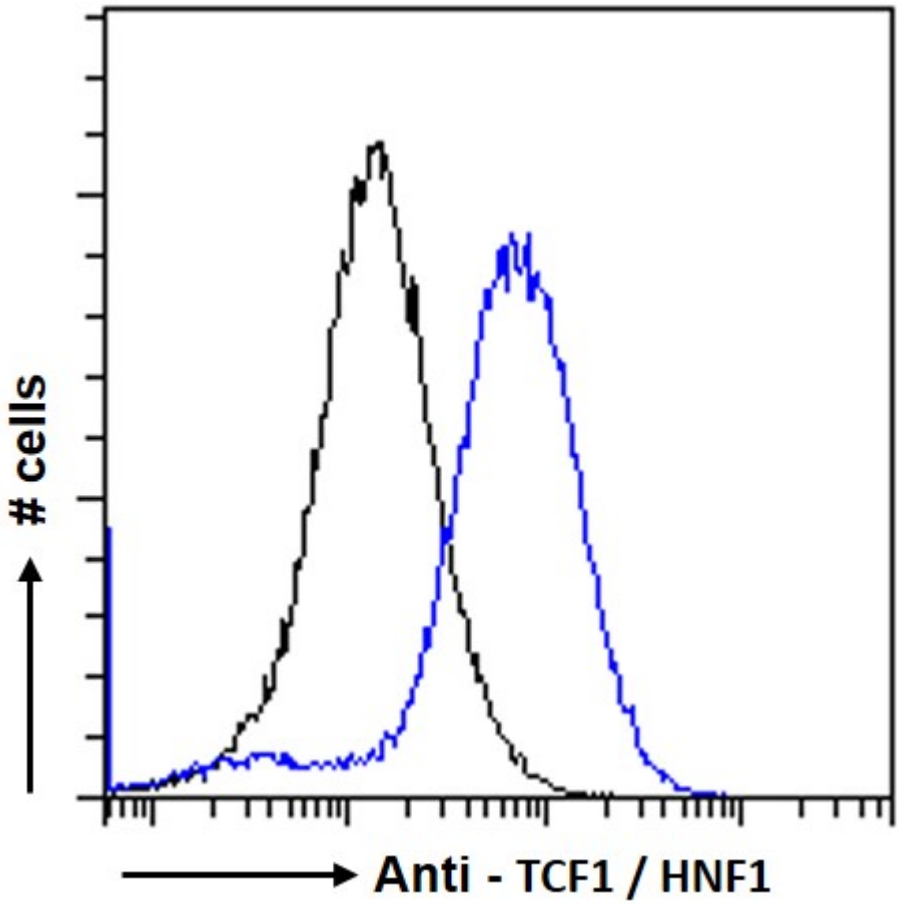
Tested: Human
Expected from sequence similarity: Human, Mouse, Rat, Dog



EB07589 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear 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).



EB07589 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 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).



EB07589 Flow cytometric analysis of paraformaldehyde fixed HepG2 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.