

## UK Office

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

## EB07649 - Goat Anti-HNF4A Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** HNF4A, hepatocyte nuclear factor 4, alpha, FLJ39654, HNF4, HNF4a7, HNF4a8, HNF4a9, MODY, MODY1, NR2A1, NR2A21, TCF, TCF14, HNF4-alpha, hepatic nuclear factor 4 alpha, hepatocyte nuclear factor 4 alpha, transcription factor-14

**Official Symbol:** HNF4A

**Accession Number(s):** NP\_849180.1; NP\_000448.3; NP\_787110.2; NP\_001025174.1; NP\_001245284.1; NP\_001274111.1; NP\_001274112.1

**Human GeneID(s):** [3172](#)

**Important Comments:** This antibody is expected to recognise isoforms 1, 2, 4, 5, 7, 8 and 9

### Immunogen

Peptide with sequence C-HPHLMQEHEMGTN, from the internal region of the protein sequence according to NP\_849180.1; NP\_000448.3; NP\_787110.2; NP\_001025174.1; NP\_001245284.1; NP\_001274111.1; NP\_001274112.1.

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 1:16000.

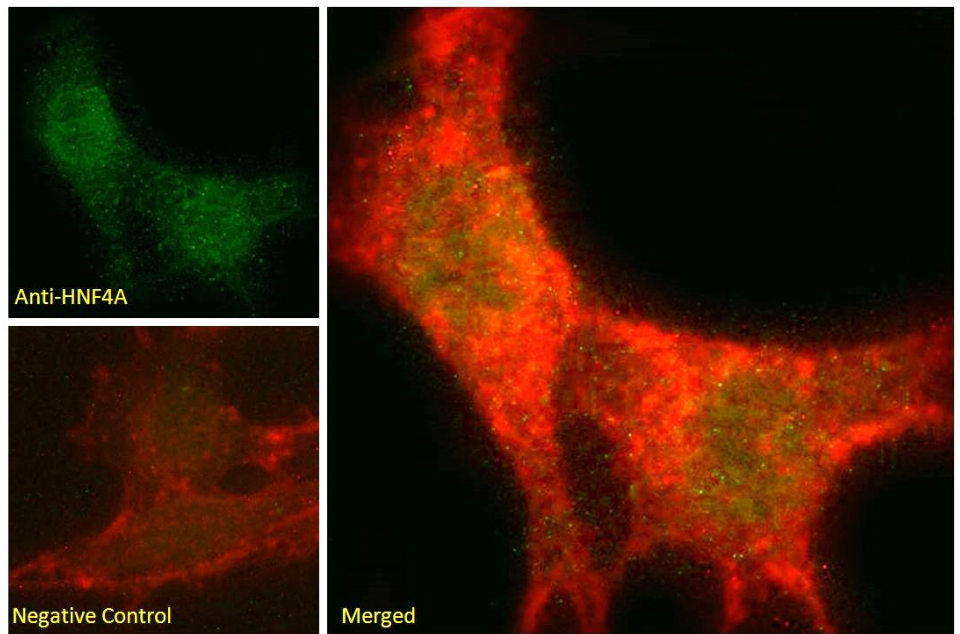
**Western blot:** Preliminary experiments showed an approx 55kDa band in Human Colon, Duodenum, Kidney and Liver lysates (calculated MW of 52.8kDa according to NP\_000448.3). Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature.

**Immunofluorescence:** Expression of the protein seen in the nucleus of NIH3T3 cells. Recommended concentration: 10µg/ml.

### Species Reactivity

**Tested:** Mouse

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



EB07649 Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1 hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing a low level of nuclear staining. Actin filaments were stained with phalloidin (red). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).