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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 1hr (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).