

International Office

Everest Biotech Ltd

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

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-HPHLMQEHMGTN, 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.

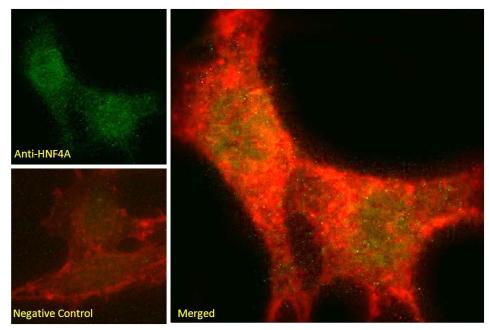
Western blot: Preliminary experiments showed an approx 55kDa band in Human Colon, Duodenum, Kidney and Liver lysates (calculated MW of 52.8kDa according to NP_000448.3). Recommended concentration:0.3-1μg/ml. Primary incubation 1 hour at room temperature.

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).